

10/561,071

=> d his

(FILE 'HOME' ENTERED AT 12:30:08 ON 26 AUG 2008)

FILE 'REGISTRY' ENTERED AT 12:30:16 ON 26 AUG 2008

L1 STRUCTURE UPLOADED
L2 43429 S C6-C6N/EA
L3 41 S C3-C6-C6N/EA
L4 81 S C4-C6-C6N/EA
L5 713 S C5-C6-C6N/EA
L6 16282 S C6-C6-C6N/EA
L7 82 S C6-C6N-C7/EA
L8 17199 S L3 OR L4 OR L5 OR L6 OR L7
L9 909 S L8 AND SPIRO
L10 44338 S L9 OR L2
L11 50 S L1 SUB=L10 SAM
L12 13163 S L1 SUB=L10 FUL

FILE 'CAPLUS' ENTERED AT 12:41:55 ON 26 AUG 2008

FILE 'REGISTRY' ENTERED AT 12:43:25 ON 26 AUG 2008

FILE 'CAPLUS' ENTERED AT 12:45:01 ON 26 AUG 2008

FILE 'REGISTRY' ENTERED AT 12:53:09 ON 26 AUG 2008

FILE 'CAPLUS' ENTERED AT 12:57:40 ON 26 AUG 2008

FILE 'REGISTRY' ENTERED AT 12:58:59 ON 26 AUG 2008

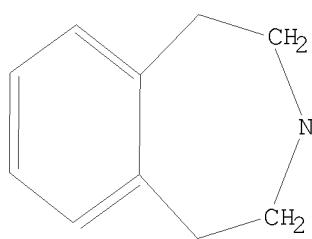
L13 8 S L12 AND L9
L14 STRUCTURE UPLOADED
L15 514 S L14 SUB=L12 FUL

FILE 'CAPLUS' ENTERED AT 13:02:26 ON 26 AUG 2008

L16 50 S L15
L17 37 S L16 NOT (2008/SO OR 2007/SO OR 2006/SO OR 2005/SO OR 2004/SO)
L18 6 S L13
L19 40 S L17 OR L18

=> d 11

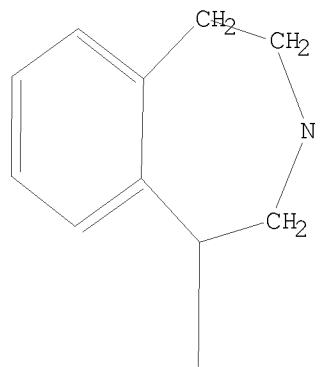
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

10/561,071

=> d 114
L14 HAS NO ANSWERS
L14 STR



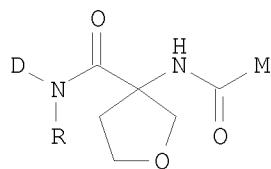
Structure attributes must be viewed using STN Express query preparation.

=> d ibib abs hitstr total

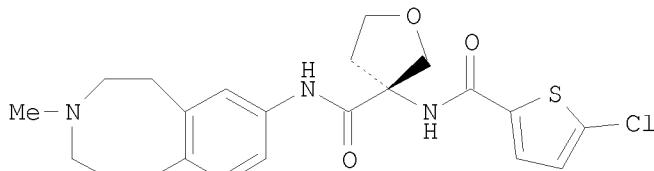
L19 ANSWER 1 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2008:831458 CAPLUS
 DOCUMENT NUMBER: 149:153369
 TITLE: Synthesis of 3-aminotetrahydrofuran-3-carboxylic acid derivatives for use as medicaments
 INVENTOR(S): Han, Zhengxu; Gerlach, Kai; Krishnamurthy, Dhileepkumar; Matthes, Burkhard; Nar, Herbert; Priecke, Henning; Schuler-Metz, Annette; Senanayake, Chris H.; Sieger, Peter; Tang, Wenjun; Wienen, Wolfgang; Xu, Yibo; Yee, Nathan K.
 PATENT ASSIGNEE(S): Boehringer Ingelheim International G.m.b.H., Germany; Boehringer Ingelheim Pharma GmbH & Co. K.-G.; Pfau, Roland
 SOURCE: PCT Int. Appl., 178pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008080891	A2	20080710	WO 2007-EP64406	20071221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2006-882937P P 20061231
 GI



I



II

AB The invention relates to the manufacture of 3-aminotetrahydrofuran-3-carboxylic acid amides I [D is substituted benzo[d]azepin-7-yl, 6/8/9-aza analogs, or 4-(pyrrolidinocarbonyl)phenyl residues; M is (un)substituted 2-thienyl; R is H or alkyl], including enantiomers, diastereomers, and physiol.-acceptable salts. Thus, aminotetrahydrofurancarboxylic acid benzo[d]azepin-7-ylamide II was prepared via sequential amidation reactions.

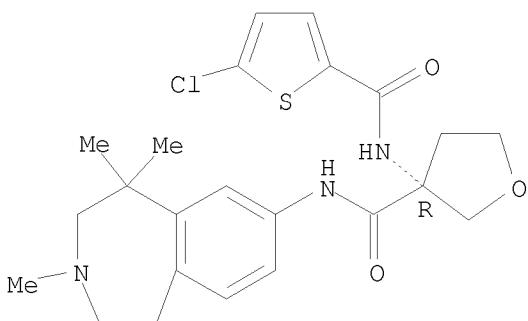
IT 1037302-00-3P

RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aminotetrahydrofurancarboxylic acid derivs. for use as medicaments)

RN 1037302-00-3 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



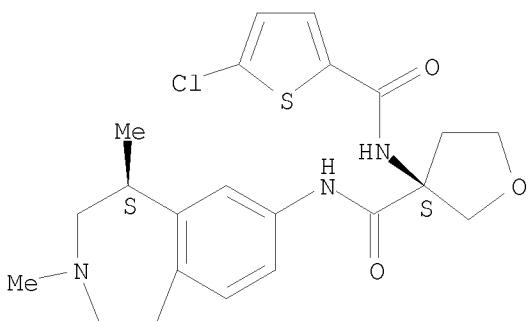
IT 1037301-25-9P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of aminotetrahydrofurancarboxylic acid derivs. for use as medicaments)

RN 1037301-25-9 CAPLUS

CN 3-Furancarboxamide, 3-[[(5-chloro-2-thienyl)carbonyl]amino]tetrahydro-N-[(5S)-2,3,4,5-tetrahydro-3,5-dimethyl-1H-3-benzazepin-7-yl]-, (3S)- (CA INDEX NAME)

Absolute stereochemistry.



IT 1037301-39-5P 1037301-40-8P 1037301-41-9P
1037301-45-3P 1037301-46-4P 1037301-99-7P

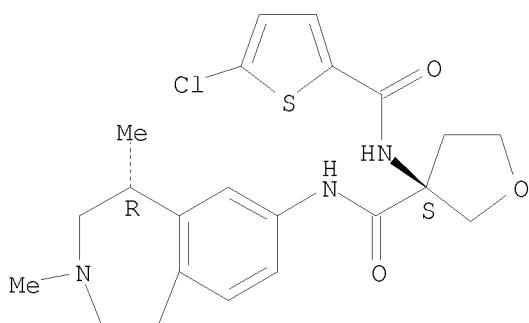
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aminotetrahydrofuran carboxylic acid derivs. for use as medicaments)

RN 1037301-39-5 CAPLUS

CN 3-Furancarboxamide, 3-[(5-chloro-2-thienyl)carbonyl]amino]tetrahydro-N-[(5R)-2,3,4,5-tetrahydro-3,5-dimethyl-1H-3-benzazepin-7-yl]-, (3S)- (CA INDEX NAME)

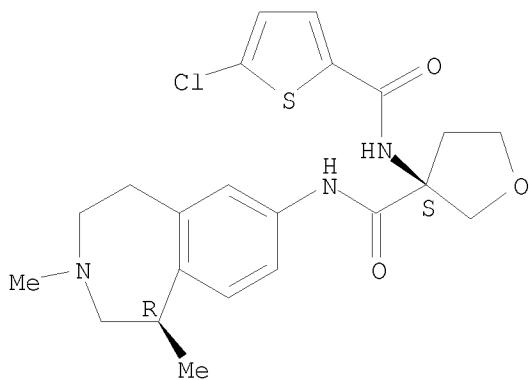
Absolute stereochemistry.



RN 1037301-40-8 CAPLUS

CN 3-Furancarboxamide, 3-[(5-chloro-2-thienyl)carbonyl]amino]tetrahydro-N-[(1R)-2,3,4,5-tetrahydro-1,3-dimethyl-1H-3-benzazepin-7-yl]-, (3S)- (CA INDEX NAME)

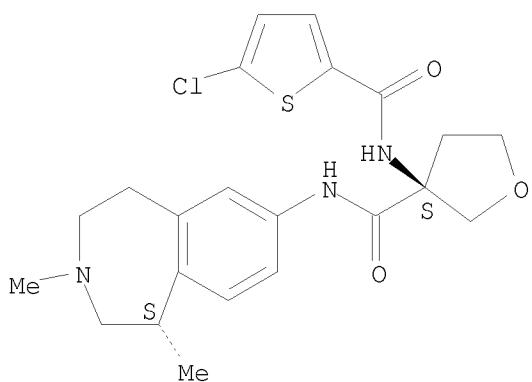
Absolute stereochemistry.



RN 1037301-41-9 CAPLUS

CN 3-Furancarboxamide, 3-[(5-chloro-2-thienyl)carbonyl]amino]tetrahydro-N-[(1S)-2,3,4,5-tetrahydro-1,3-dimethyl-1H-3-benzazepin-7-yl]-, (3S)- (CA INDEX NAME)

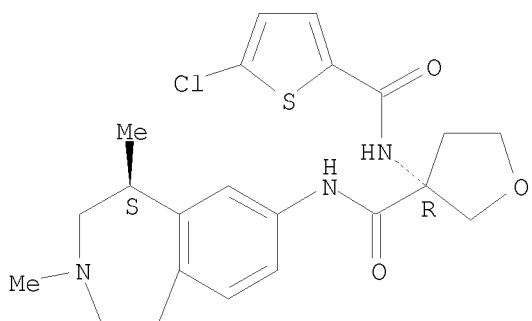
Absolute stereochemistry.



RN 1037301-45-3 CAPLUS

CN 3-Furancarboxamide, 3-[[(5-chloro-2-thienyl)carbonyl]amino]tetrahydro-N-[(5S)-2,3,4,5-tetrahydro-3,5-dimethyl-1H-3-benzazepin-7-yl]-, (3R)- (CA INDEX NAME)

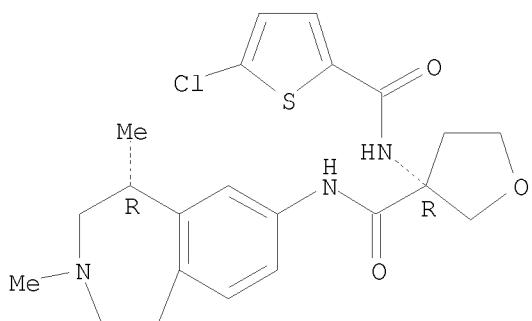
Absolute stereochemistry.



RN 1037301-46-4 CAPLUS

CN 3-Furancarboxamide, 3-[[(5-chloro-2-thienyl)carbonyl]amino]tetrahydro-N-[(5R)-2,3,4,5-tetrahydro-3,5-dimethyl-1H-3-benzazepin-7-yl]-, (3R)- (CA INDEX NAME)

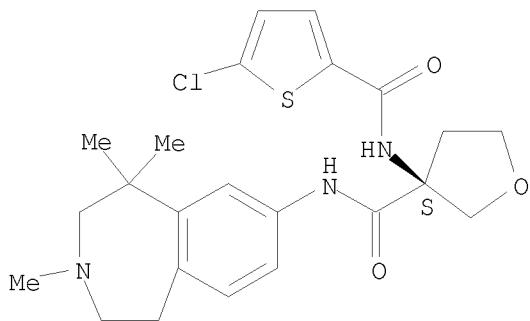
Absolute stereochemistry.



RN 1037301-99-7 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Absolute stereochemistry.



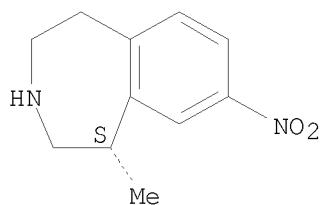
IT 1037301-31-7P

RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aminotetrahydrofurancarboxylic acid derivs. for use as medicaments)

RN 1037301-31-7 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-nitro-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



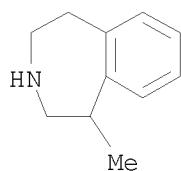
IT 23266-24-2P 919099-24-4P 919099-25-5P

1037301-18-0P 1037301-19-1P 1037301-29-3P
1037301-32-8P 1037301-33-9P 1037301-43-1P
1037301-44-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aminotetrahydrofurancarboxylic acid derivs. for use as medicaments)

RN 23266-24-2 CAPLUS

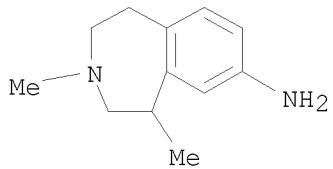
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 919099-24-4 CAPLUS

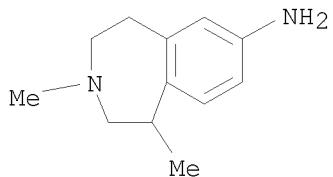
10/561,071

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-3,5-dimethyl- (CA INDEX NAME)



RN 919099-25-5 CAPLUS

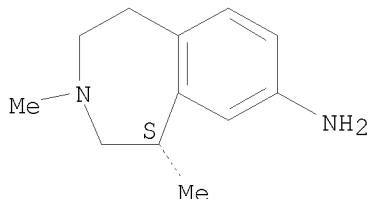
CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-1,3-dimethyl- (CA INDEX NAME)



RN 1037301-18-0 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-3,5-dimethyl-, (5S)- (CA INDEX NAME)

Absolute stereochemistry.



RN 1037301-19-1 CAPLUS

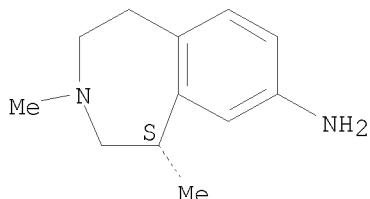
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 1037301-18-0

CMF C12 H18 N2

Absolute stereochemistry.

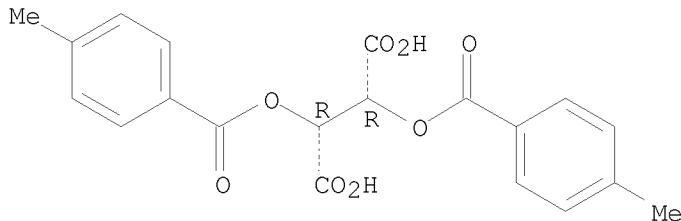


10/561,071

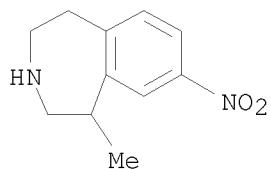
CM 2

CRN 32634-66-5
CMF C20 H18 O8

Absolute stereochemistry. Rotation (-).

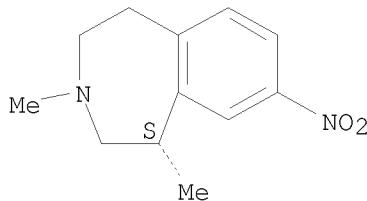


RN 1037301-29-3 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-nitro- (CA INDEX NAME)



RN 1037301-32-8 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1,3-dimethyl-8-nitro-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.

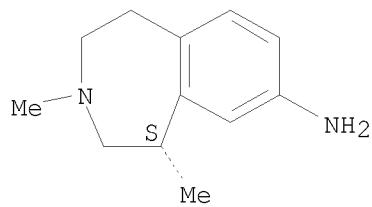


RN 1037301-33-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 1037301-18-0
CMF C12 H18 N2

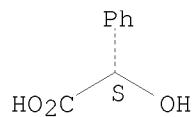
Absolute stereochemistry.



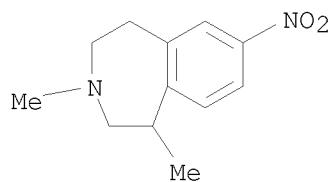
CM 2

CRN 17199-29-0
CMF C8 H8 O3

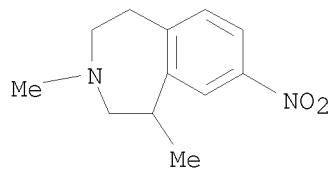
Absolute stereochemistry. Rotation (+).



RN 1037301-43-1 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1,3-dimethyl-7-nitro- (CA INDEX NAME)



RN 1037301-44-2 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1,3-dimethyl-8-nitro- (CA INDEX NAME)



L19 ANSWER 2 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2008:703346 CAPLUS
 DOCUMENT NUMBER: 149:32211
 TITLE: Processes for preparing (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine intermediates toward serotonin-2C (5-HT2C) receptor agonists
 INVENTOR(S): Gharbaoui, Tawfik; Tandel, Sagun K.; Ma, You-An; Carlos, Marlon; Fritch, John Robert
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 40pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008070111	A2	20080612	WO 2007-US24900	20071204
WO 2008070111	A3	20080807		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				

PRIORITY APPLN. INFO.: US 2006-873036P P 20061205

OTHER SOURCE(S): CASREACT 149:32211; MARPAT 149:32211

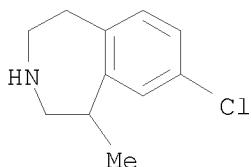
AB Processes for the preparation of (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepines and their intermediates is presented. Compds. of the present invention are useful as serotonin-2C (5-HT2C) receptor agonists for the treatment of obesity.

IT 616201-80-0P 1030624-49-7P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (processes for preparing (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine intermediates toward serotonin-2C (5-HT2C) receptor agonists)

RN 616201-80-0 CAPLUS

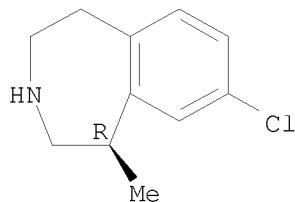
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 1030624-49-7 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrate (2:1),
(1R)- (CA INDEX NAME)

Absolute stereochemistry.



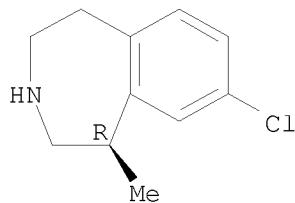
● 1/2 H₂O

IT 616202-92-7P 824430-78-6P 846589-98-8P,
(R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride
856681-05-5P 1030624-46-4P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
(Preparation)
(processes for preparing (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-
benzazepine intermediates toward serotonin-2C (5-HT_{2C}) receptor
agonists)

RN 616202-92-7 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX
NAME)

Absolute stereochemistry.



RN 824430-78-6 CAPLUS

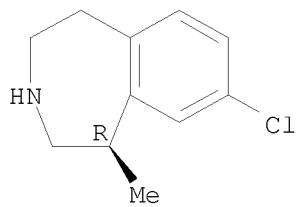
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-,
(2R,3R)-2,3-dihydroxybutanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 616202-92-7

CMF C11 H14 Cl N

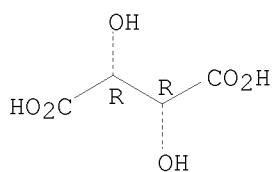
Absolute stereochemistry.



CM 2

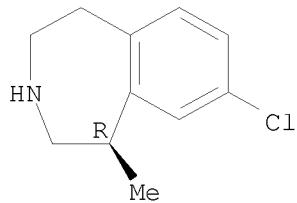
CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RN 846589-98-8 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride
(1:1), (1R)- (CA INDEX NAME)

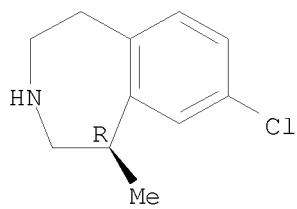
Absolute stereochemistry.



● HCl

RN 856681-05-5 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride,
hydrate (2:2:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.



● HCl

● 1/2 H₂O

RN 1030624-46-4 CAPLUS

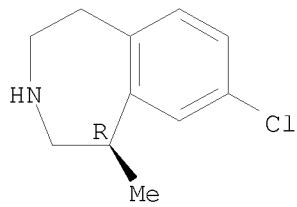
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-,
(2R,3R)-2,3-dihydroxybutanedioate (1:?) (CA INDEX NAME)

CM 1

CRN 616202-92-7

CMF C11 H14 Cl N

Absolute stereochemistry.

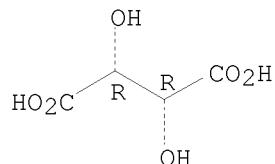


CM 2

CRN 87-69-4

CMF C4 H6 O6

Absolute stereochemistry.



L19 ANSWER 3 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2008:529900 CAPLUS
 DOCUMENT NUMBER: 148:538288
 TITLE: Preparation of fused bicyclic derivatives of 2,4-diaminopyrimidine as ALK and c-Met kinase inhibitors
 INVENTOR(S): Ahmed, Gulzar; Bohnstedt, Adolph; Breslin, Henry Joseph; Burke, Jason; Curry, Matthew A.; Diebold, James L.; Dorsey, Bruce; Dugan, Benjamin J.; Feng, Daming; Gingrich, Diane E.; Guo, Tao; Ho, Koc-Kan; Learn, Keith S.; Lisko, Joseph G.; Liu, Rong-Qiang; Mesaros, Eugen F.; Milkiewicz, Karen; Ott, Gregory R.; Parrish, Jonathan; Therooff, Jay P.; Thieu, Tho V.; Tripathy, Rabindranath; Underiner, Theodore L.; Wagner, Jason C.; Weinberg, Linda; Wells, Gregory J.; You, Ming; Zificksak, Craig A.
 PATENT ASSIGNEE(S): Cephalon, Inc., USA; Pharmacopeia Drug Discovery, Inc.
 SOURCE: PCT Int. Appl., 1297pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008051547	A1	20080502	WO 2007-US22496	20071023
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2006-853562P P 20061023
 OTHER SOURCE(S): MARPAT 148:538288
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I and II [R1 = H, halo, NO₂, OH and derivs., aryl, alkyl, etc.; R2 = (un)substituted alk(en/yn)yl, (hetero)aryl, R3-R5 = independently H, CO₂H and derivs., NH₂ and derivs., OCHF₂, etc.; A1-A5 = independently (CH₂)₁₋₂ and derivs., CO, NH and derivs., S, SO, SO₂, O, with provisos; with the exception of specified compds.; and their pharmaceutically acceptable salts] were prepared as ALK and c-Met kinase inhibitors for treating proliferative disorders. Thus, nitration of 1,3,4,5-tetrahydrobenzo[b]azepin-2-one with HNO₃/H₂SO₄, alkylation with Me iodide, reduction of the nitro intermediate and amination of

2-[(2,5-dichloropyrimidin-4-yl)amino]-N-methylbenzamide gave benzazepinylaminopyrimidine III. III inhibited ALK and C-Met kinases with IC₅₀ < 0.1 μM.

IT 1022970-66-6P

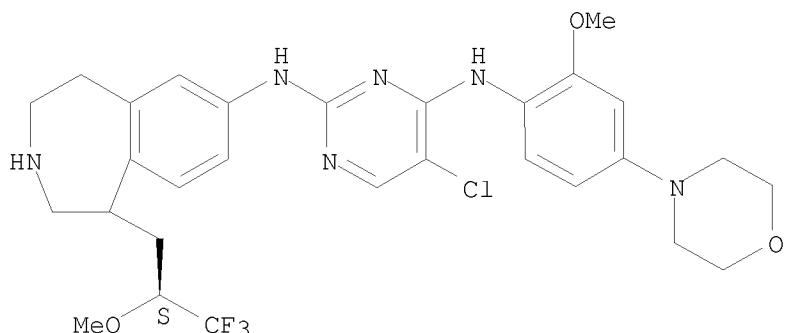
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of fused bicyclic derivs. of 2,4-diaminopyrimidine as ALK and c-Met kinase inhibitors)

RN 1022970-66-6 CAPLUS

CN 2,4-Pyrimidinediamine, 5-chloro-N4-[2-methoxy-4-(4-morpholinyl)phenyl]-N2-[2,3,4,5-tetrahydro-1-[(2S)-3,3,3-trifluoro-2-methoxypropyl]-1H-3-benzazepin-7-yl]- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

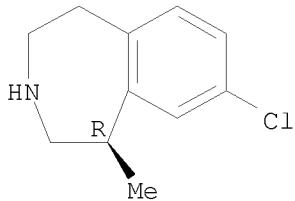
3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 4 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2008:526837 CAPLUS
 DOCUMENT NUMBER: 148:509943
 TITLE: Combination therapy for diabetes, hypertension,
 migraine, epilepsy, sleep apnea, depression, impulse
 control disorders or alcoholism
 INVENTOR(S): Tam, Peter Y.; Wilson, Leland F.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 19pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	-----	-----	-----	-----
	US 20080103179	A1	20080501	US 2007-764116	20070615
PRIORITY APPLN. INFO.:				US 2006-854756P	P 20061027
AB	The present invention features a novel therapy for treating diabetes, hypertension, migraine, epilepsy, sleep apnea, depression, impulse control disorders or alc. addiction which involves treating a subject with a sympathomimetic agent (e.g., phentermine or a phentermine-like drug) in combination with an anticonvulsant sulfamate compound (e.g., topiramate) or an anticonvulsive sulfonylurea compound (e.g. zonisamide).				
IT	846589-98-8, Lorcaserin hydrochloride				
	RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)				
	(combination therapy for diabetes, hypertension, migraine, epilepsy, sleep apnea, depression, impulse control disorders or alcoholism)				
RN	846589-98-8 CAPLUS				
CN	1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)				

Absolute stereochemistry.



● HCl

L19 ANSWER 5 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:1204827 CAPLUS
 DOCUMENT NUMBER: 147:486344
 TITLE: Processes for preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine and intermediates
 INVENTOR(S): Weigl, Ulrich; Porstmann, Frank; Straessler, Christoph; Ulmer, Lars; Koetz, Ulf
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 35pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007120517	A2	20071025	WO 2007-US8170	20070402
WO 2007120517	A3	20080619		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				

PRIORITY APPLN. INFO.: US 2006-789191P P 20060403

OTHER SOURCE(S): CASREACT 147:486344

AB The present invention provides a process for the preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine, salts, hydrates, and crystal forms thereof. For example, 2-(4-chlorophenyl)ethanol was brominated with phosphorous tribromide, followed by addition of 1-amino-2-propanol and reaction with thionyl chloride to give 4-chloro-N-(2-chloropropyl)benzeneethanamine hydrochloride. The intermediate obtained in the previous step was reacted with aluminum chloride in 1,2-dichlorobenzene, followed by optical resolution with L-tartaric acid to give (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hemitartrate. The compds. are useful serotonin (5-HT) receptor agonists for the treatment of central nervous system disorders, such as obesity.

IT 847063-12-1P

RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine and intermediates)

RN 847063-12-1 CAPLUS

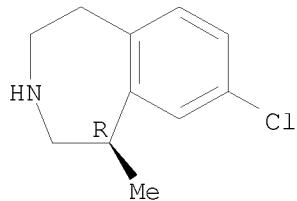
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-, (2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)

CM 1

10/561,071

CRN 616202-92-7
CMF C11 H14 Cl N

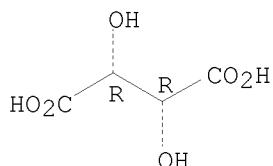
Absolute stereochemistry.



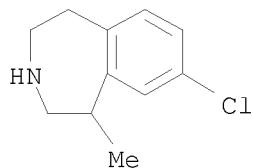
CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



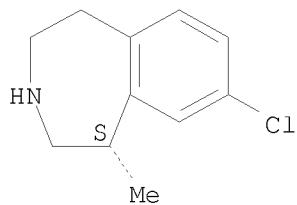
IT 616201-80-0P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine and intermediates)
RN 616201-80-0 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



IT 616202-81-4P 616202-92-7P 846589-98-8P
856681-05-5P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine and intermediates)
RN 616202-81-4 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

10/561,071

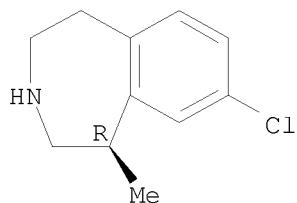
Absolute stereochemistry.



RN 616202-92-7 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

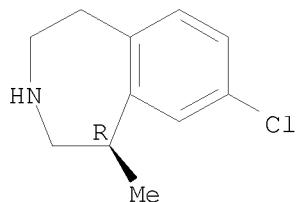
Absolute stereochemistry.



RN 846589-98-8 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

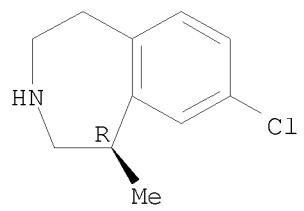


● HCl

RN 856681-05-5 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride, hydrate (2:2:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

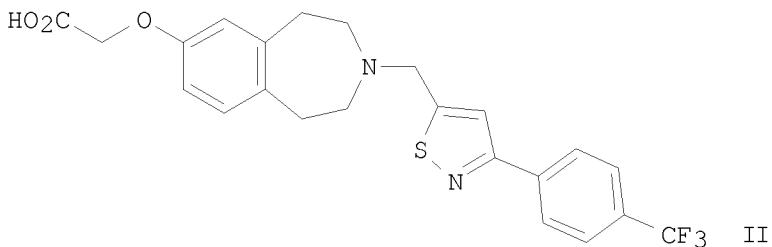
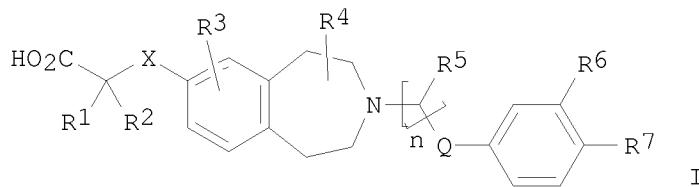


● HCl

● 1/2 H₂O

L19 ANSWER 6 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:1176022 CAPLUS
 DOCUMENT NUMBER: 147:469249
 TITLE: Benzazepinyloxyacetic acid derivatives as PPAR-delta agonists used for the increase of HDL-C, lower LDL-C and lower cholesterol and their preparation
 INVENTOR(S): Kuo, Gee-Hong; Zhang, Yan; Shen, Lan; Lu, Songfeng; Demarest, Keith T.; Peiton, Patricia
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 113pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070244094	A1	20071018	US 2007-736221	20070417
WO 2007121432	A2	20071025	WO 2007-US66772	20070417
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			US 2006-793001P	P 20060418
OTHER SOURCE(S):		MARPAT 147:469249		
GI				



AB The invention is directed to compds. of formula I useful as PPAR agonists. Pharmaceutical compns. and methods of treating one or more conditions including, but not limited to, diabetes, nephropathy, neuropathy, retinopathy, polycystic ovary syndrome, hypertension, ischemia, stroke, irritable bowel disorder, inflammation, cataract, cardiovascular diseases, Metabolic X Syndrome, hyper-LDL-cholesterolemia, dyslipidemia (including hypertriglyceridemia, hypercholesterolemia, mixed hyperlipidemia, and hypo-HDL-cholesterolemia), atherosclerosis, obesity, and other disorders related to lipid metabolism and energy homeostasis complications thereof, using compds. of the invention are also described. Compds. of formula I wherein X is a covalent bond, O and S; R1 and R2 are independently H, and (un)substituted C1-8 alkyl; R1R2 and the carbon they are attached together may form C3-7 cycloalkyl; R3 is H; R4 and R5 are independently H, halo, C1-8 alkyl, C3-7 cycloalkyl, etc.; R5 and R7 are independently H, halo, C1-3 (halo)alkyl and C1-3 (halo)alkoxy; n is 1; Q is (un)substituted 5- to 6-membered heteroarom. ring; and their enantiomers, diastereoisomers, tautomers, solvates and pharmaceutically acceptable salts thereof, are claimed. Example compound II was prepared by a multistep procedure (detailed procedure given). All the invention compds. were evaluated for their PPAR- δ agonistic activity. From the assay, it was determined that compound II exhibited EC50 value of 34.1 nM against PPAR δ .

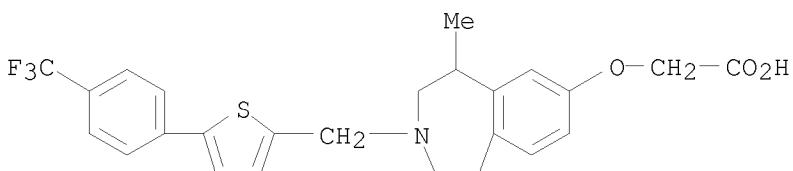
IT 952709-53-4P 952709-54-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of benzazepinyloxyacetic acid derivs. as PPAR-delta agonists useful for increasing HDL-C, lower LDL-C and lower cholesterol)

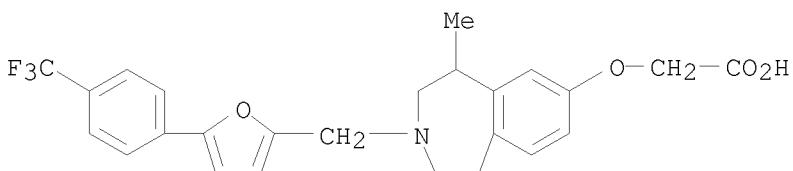
RN 952709-53-4 CAPLUS

CN Acetic acid, 2-[[2,3,4,5-tetrahydro-5-methyl-3-[[5-[4-(trifluoromethyl)phenyl]-2-thienyl]methyl]-1H-3-benzazepin-7-yl]oxy]- (CA INDEX NAME)

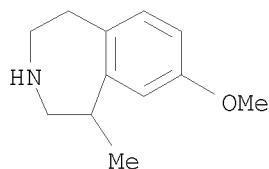


RN 952709-54-5 CAPLUS

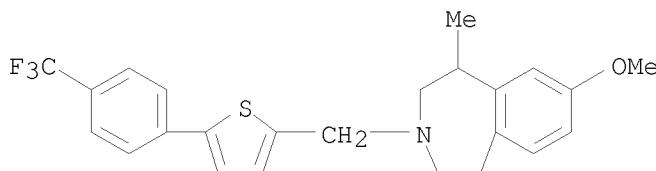
CN Acetic acid, 2-[[2,3,4,5-tetrahydro-5-methyl-3-[[5-[4-(trifluoromethyl)phenyl]-2-furanyl]methyl]-1H-3-benzazepin-7-yl]oxy]- (CA INDEX NAME)



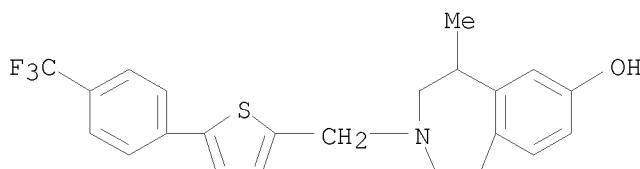
IT 849663-07-6P 952710-34-8P 952710-35-9P
 952710-36-0P 952710-37-1P 952710-38-2P
 952710-39-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of benzazepinyloxyacetic acid derivs. as PPAR-delta agonists useful for increasing HDL-C, lower LDL-C and lower cholesterol)
 RN 849663-07-6 CAPLUS
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-methoxy-1-methyl- (CA INDEX NAME)



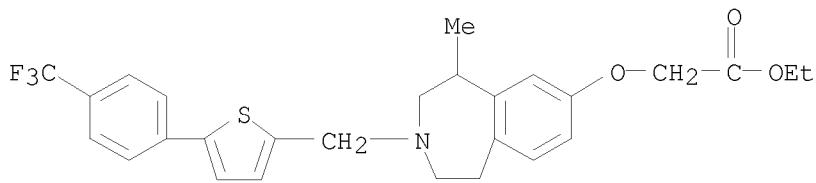
RN 952710-34-8 CAPLUS
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-methoxy-1-methyl-3-[[5-[4-(trifluoromethyl)phenyl]-2-thienyl]methyl]- (CA INDEX NAME)



RN 952710-35-9 CAPLUS
 CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-5-methyl-3-[[5-[4-(trifluoromethyl)phenyl]-2-thienyl]methyl]- (CA INDEX NAME)

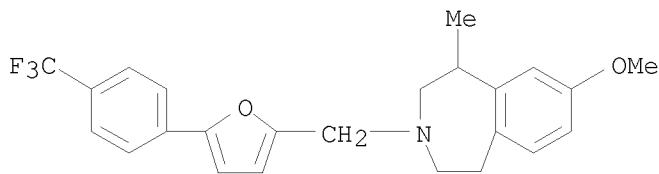


RN 952710-36-0 CAPLUS
 CN Acetic acid, 2-[[2,3,4,5-tetrahydro-5-methyl-3-[[5-[4-(trifluoromethyl)phenyl]-2-thienyl]methyl]-1H-3-benzazepin-7-yl]oxy]-, ethyl ester (CA INDEX NAME)



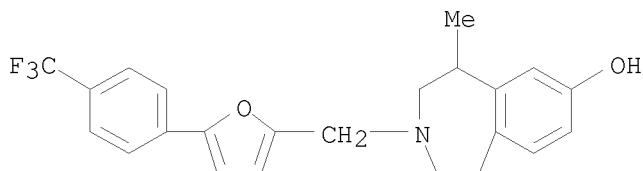
RN 952710-37-1 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-methoxy-1-methyl-3-[[5-[4-(trifluoromethyl)phenyl]-2-furanyl]methyl]- (CA INDEX NAME)



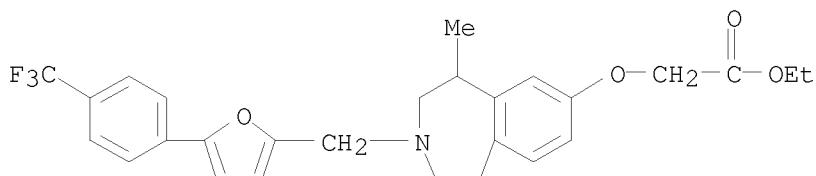
RN 952710-38-2 CAPLUS

CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-5-methyl-3-[[5-[4-(trifluoromethyl)phenyl]-2-furanyl]methyl]- (CA INDEX NAME)



RN 952710-39-3 CAPLUS

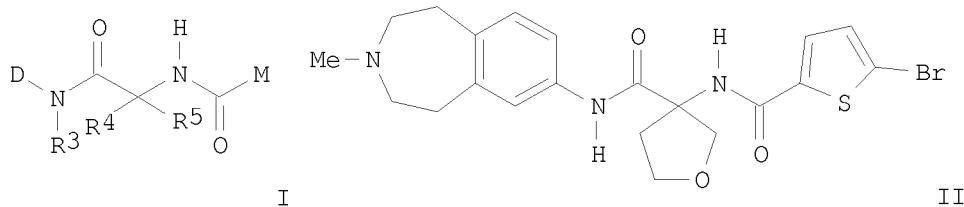
CN Acetic acid, 2-[[2,3,4,5-tetrahydro-5-methyl-3-[[5-[4-(trifluoromethyl)phenyl]-2-furanyl]methyl]-1H-3-benzazepin-7-yl]oxy]-, ethyl ester (CA INDEX NAME)



L19 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:35810 CAPLUS
DOCUMENT NUMBER: 146:142521
TITLE: Preparation of 2,3,4,5-tetrahydro-1H-3-benzazepines as antithrombotic agents
INVENTOR(S): Priepke, Henning; Dahmann, Georg; Gerlach, Kai; Pfau, Roland; Wienen, Wolfgang; Schulz-Metz, Annette; Handschuh, Sandra; Nar, Herbert
PATENT ASSIGNEE(S): Boehringer Ingelheim International GmbH, Germany; Boehringer Ingelheim Pharma GmbH & Co. KG
SOURCE: PCT Int. Appl., 185pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007003536	A1	20070111	WO 2006-EP63611	20060628
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
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CA 2613059	A1	20070111	CA 2006-2613059	20060628
EP 1899330	A1	20080319	EP 2006-763910	20060628
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NO 2007005186	A	20080214	NO 2007-5186	20071011
IN 2007DN09037	A	20080104	IN 2007-DN9037	20071123
MX 200716253	A	20080307	MX 2007-16253	20071218
CN 101213195	A	20080702	CN 2006-80024267	20080102
KR 2008033318	A	20080416	KR 2008-702478	20080130
PRIORITY APPLN. INFO.:			EP 2005-14270	A 20050630
			WO 2006-EP63611	W 20060628

OTHER SOURCE(S): MARPAT 146:142521
GI



AB Title compds. I [D = substituted bicyclic ring system with provisos; R3 = H, alkyl; R4, R5 = H, alkyl, alkenyl, etc.; M = substituted thiophene with provisos] and their pharmaceutically acceptable salts and formulations were prepared. For example, benzazepine II was prepared from 3-trifluoroacetyl-7-nitro-2,3,4,5-tetrahydro-1H-benzo(d)azepine in 6-steps. Compds. I are claimed useful as antithrombotic agents.

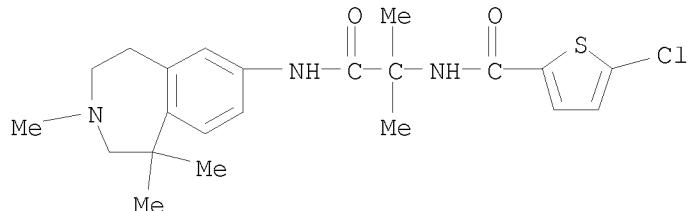
IT 919097-19-1P 919097-21-5P 919097-26-0P
919097-94-2P 919097-96-4P 919098-92-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of tetrahydrobenzazepines as antithrombotic agents)

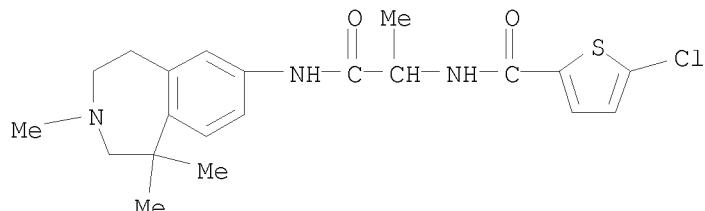
RN 919097-19-1 CAPLUS

CN 2-Thiophenecarboxamide, 5-chloro-N-[1,1-dimethyl-2-oxo-2-[(2,3,4,5-tetrahydro-1,1,3-trimethyl-1H-3-benzazepin-7-yl)amino]ethyl]- (CA INDEX NAME)



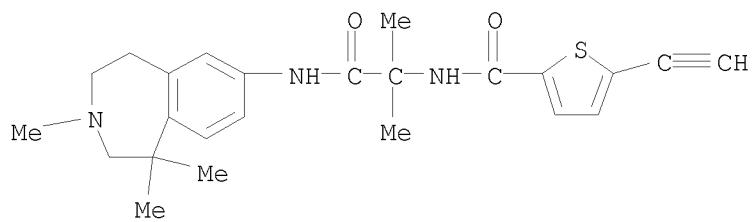
RN 919097-21-5 CAPLUS

CN 2-Thiophenecarboxamide, 5-chloro-N-[1-methyl-2-oxo-2-[(2,3,4,5-tetrahydro-1,1,3-trimethyl-1H-3-benzazepin-7-yl)amino]ethyl]- (CA INDEX NAME)



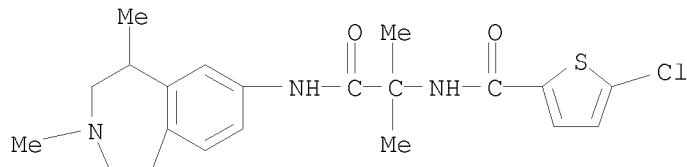
RN 919097-26-0 CAPLUS

CN 2-Thiophenecarboxamide, N-[1,1-dimethyl-2-oxo-2-[(2,3,4,5-tetrahydro-1,1,3-trimethyl-1H-3-benzazepin-7-yl)amino]ethyl]-5-ethynyl- (CA INDEX NAME)



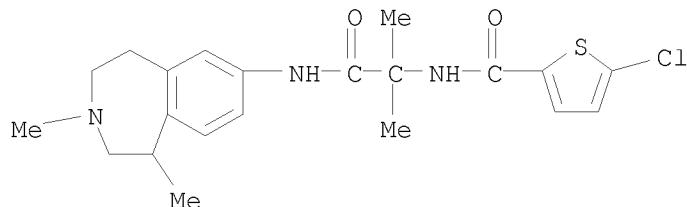
RN 919097-94-2 CAPLUS

CN 2-Thiophenecarboxamide, 5-chloro-N-[1,1-dimethyl-2-oxo-2-[(2,3,4,5-tetrahydro-3,5-dimethyl-1H-3-benzazepin-7-yl)amino]ethyl]- (CA INDEX NAME)



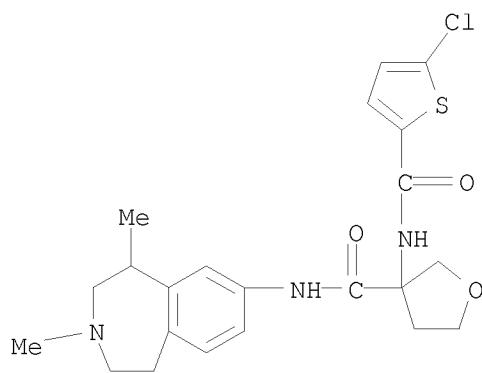
RN 919097-96-4 CAPLUS

CN 2-Thiophenecarboxamide, 5-chloro-N-[1,1-dimethyl-2-oxo-2-[(2,3,4,5-tetrahydro-1,3-dimethyl-1H-3-benzazepin-7-yl)amino]ethyl]- (CA INDEX NAME)

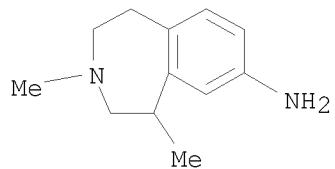


RN 919098-92-3 CAPLUS

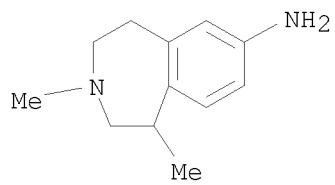
CN 3-Furancarboxamide, 3-[[5-chloro-2-thienyl]carbonyl]amino]tetrahydro-N-(2,3,4,5-tetrahydro-3,5-dimethyl-1H-3-benzazepin-7-yl)- (CA INDEX NAME)



IT 919099-24-4P 919099-25-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of tetrahydrobenzazepines as antithrombotic agents)
 RN 919099-24-4 CAPLUS
 CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-3,5-dimethyl- (CA INDEX NAME)



RN 919099-25-5 CAPLUS
 CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-1,3-dimethyl- (CA INDEX NAME)

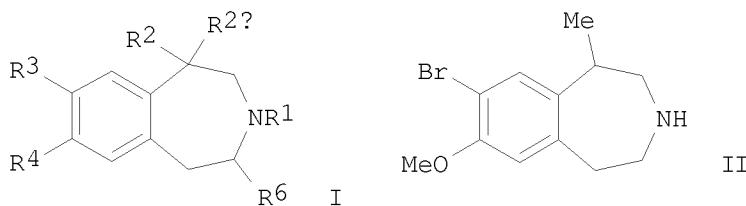


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 8 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:656846 CAPLUS
 DOCUMENT NUMBER: 145:124478
 TITLE: Preparation of 2,3,4,5-tetrahydro-1H-3-benzazepine derivatives as selective 5HT-2C receptor agonists
 INVENTOR(S): Behan, Dominic P.; Smith, Brian M.; Bjenning, Christina
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 94 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

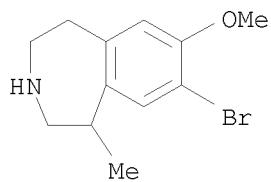
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WO 2006071740	A2	20060706	WO 2005-US46654	20051221
WO 2006071740	A3	20070419		
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AU 2005322183	A1	20060706	AU 2005-322183	20051221
CA 2588941	A1	20060706	CA 2005-2588941	20051221
EP 1833473	A2	20070919	EP 2005-855247	20051221
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
JP 2008525480	T	20080717	JP 2007-548479	20051221
IN 2007KN02012	A	20070810	IN 2007-KN2012	20070604
CN 101123955	A	20080213	CN 2005-80043743	20070620
KR 2007091030	A	20070906	KR 2007-716812	20070720
PRIORITY APPLN. INFO.:			US 2004-638667P	P 20041223
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			WO 2005-US46654	W 20051221

OTHER SOURCE(S): MARPAT 145:124478
 GI

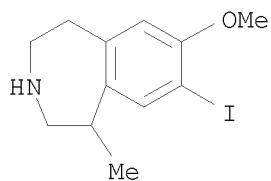


AB Title compds. represented by the formula I [wherein R1 = H or alkyl; R2 = alkyl, OH, CH₂OH, etc.; R2a = H or R2R2a = -CH₂CH₂-; R3, R4 = independently H, halo, cyano, etc., or R3R4 = one oxygen containing heterocyclyl; and pharmaceutically acceptable salts, solvates or hydrates thereof] were prepared as 5HT-2C receptor agonists. For example, II was provided in a multi-step synthesis starting from 3-methoxyphenethylamine. II showed EC₅₀ with 4.2 nM in intracellular IP₃ accumulation assay, and was tested for inhibition of food intake in food-deprived rats. Thus, I and their pharmaceutical compns. are useful as selective 5HT-2C receptor agonist for the treatment of obesity.

IT 616201-55-9P, 8-Bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-57-1P 616201-80-0P,
8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses) (preparation of 2,3,4,5-tetrahydro-1H-3-benzazepine derivs. as selective 5HT-2C receptor agonists)
RN 616201-55-9 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-methyl- (CA INDEX NAME)

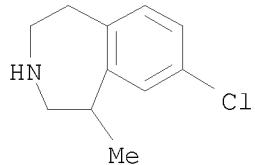


RN 616201-57-1 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl- (CA INDEX NAME)



RN 616201-80-0 CAPLUS

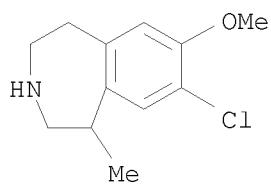
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



IT 616201-56-0P, 8-Chloro-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-73-1P, 8-Bromo-1-ethyl-7-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-91-3P, N-Methyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-05-2P, 8-Trifluoromethyl-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-07-4P, 8-Chloro-1-ethyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
 (preparation of 2,3,4,5-tetrahydro-1H-3-benzazepine derivs. as selective 5HT-2C receptor agonists)

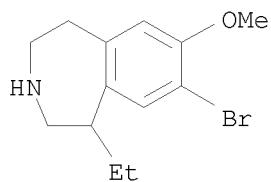
RN 616201-56-0 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl- (CA INDEX NAME)



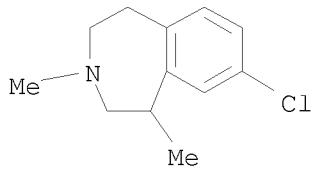
RN 616201-73-1 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-1-ethyl-2,3,4,5-tetrahydro-7-methoxy- (CA INDEX NAME)

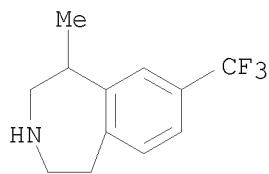


RN 616201-91-3 CAPLUS

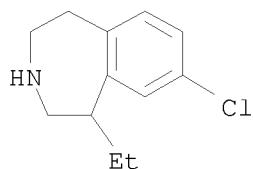
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1,3-dimethyl- (CA INDEX NAME)



RN 616202-05-2 CAPLUS
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)- (CA INDEX NAME)

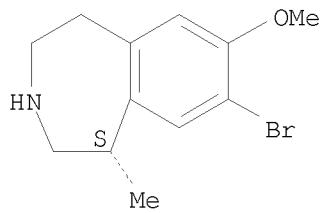


RN 616202-07-4 CAPLUS
 CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro- (CA INDEX NAME)



IT 616202-75-6P 616202-76-7P 616202-77-8P
 616202-79-0P 616202-81-4P 616202-82-5P
 616202-84-7P 616202-85-8P 616202-86-9P
 616202-87-0P 616202-88-1P 616202-90-5P
 616202-92-7P, (R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-93-8P 616202-95-0P
 616202-96-1P
 RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 2,3,4,5-tetrahydro-1H-3-benzazepine derivs. as selective 5HT-2C receptor agonists)
 RN 616202-75-6 CAPLUS
 CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1S)- (CA INDEX NAME)

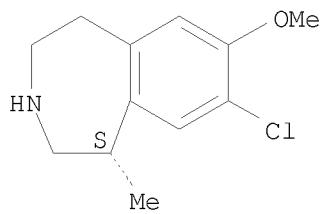
Absolute stereochemistry.



RN 616202-76-7 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1S)-
(CA INDEX NAME)

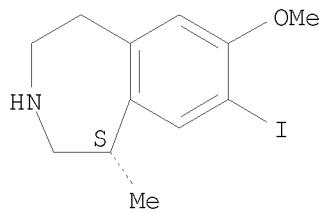
Absolute stereochemistry.



RN 616202-77-8 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl-, (1S)-
(CA INDEX NAME)

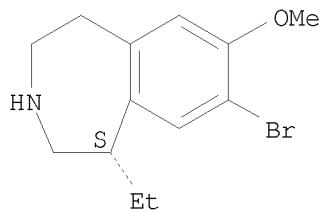
Absolute stereochemistry.



RN 616202-79-0 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-1-ethyl-2,3,4,5-tetrahydro-7-methoxy-, (1S)-
(CA INDEX NAME)

Absolute stereochemistry.

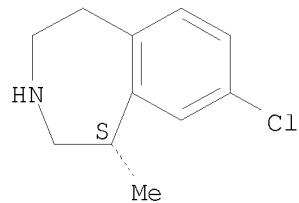


RN 616202-81-4 CAPLUS

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NAME)

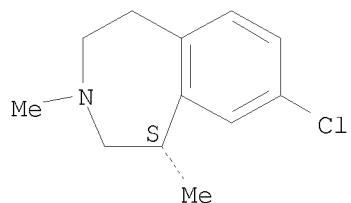
Absolute stereochemistry.



RN 616202-82-5 CAPLUS

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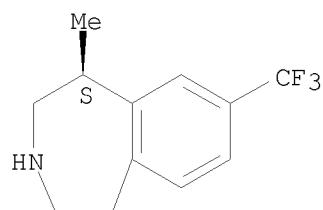
Absolute stereochemistry.



RN 616202-84-7 CAPLUS

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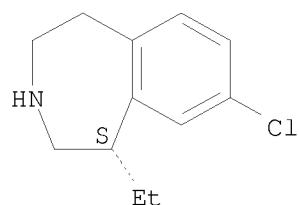
Absolute stereochemistry.



RN 616202-85-8 CAPLUS

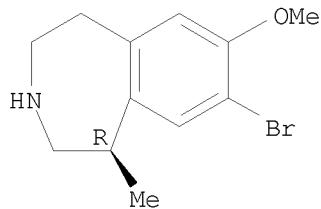
CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



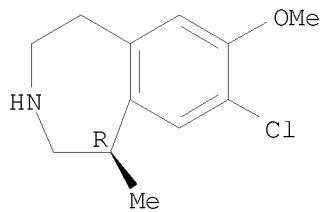
RN 616202-86-9 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1R)-
(CA INDEX NAME)

Absolute stereochemistry.



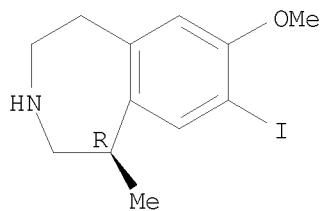
RN 616202-87-0 CAPLUS
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(CA INDEX NAME)

Absolute stereochemistry.



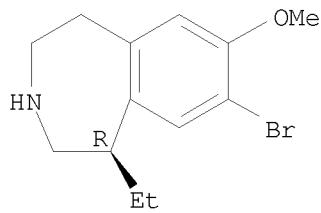
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CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl-, (1R)-
(CA INDEX NAME)

Absolute stereochemistry.



RN 616202-90-5 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-1-ethyl-2,3,4,5-tetrahydro-7-methoxy-, (1R)-
(CA INDEX NAME)

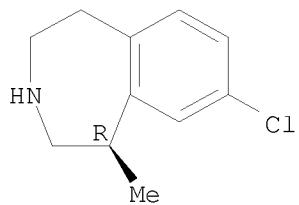
Absolute stereochemistry.



RN 616202-92-7 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

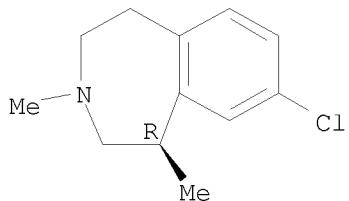
Absolute stereochemistry.



RN 616202-93-8 CAPLUS

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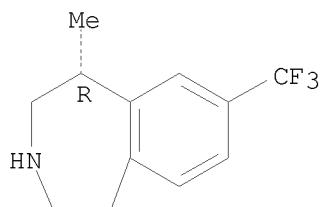
Absolute stereochemistry.



RN 616202-95-0 CAPLUS

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Absolute stereochemistry.

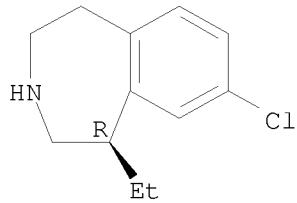


RN 616202-96-1 CAPLUS

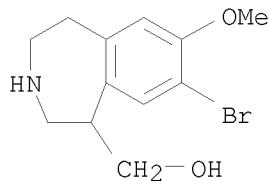
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NAME)

Absolute stereochemistry.



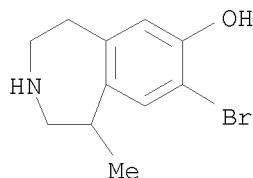
- IT 616201-72-0P, 8-Bromo-1-hydroxymethyl-7-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of 2,3,4,5-tetrahydro-1H-3-benzazepine derivs. as selective 5HT-2C receptor agonists)
- RN 616201-72-0 CAPLUS
- CN 1H-3-Benzazepine-1-methanol, 8-bromo-2,3,4,5-tetrahydro-7-methoxy- (CA INDEX NAME)



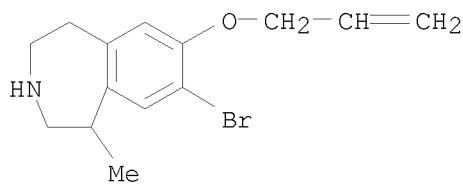
- IT 616201-58-2P, 8-Bromo-7-hydroxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-59-3P, 7-Allyloxy-8-bromo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-60-6P, 7-Benzylxy-8-bromo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-61-7P, 8-Bromo-7-ethoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-62-8P, 8-Bromo-7-isopropoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-63-9P, N-Methyl-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-64-0P, N-Propyl-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-65-1P, 7-Hydroxy-8-iodo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-66-2P, 7-Allyloxy-8-iodo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-68-4P, 7-Allyloxy-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-69-5P, 7-Methoxy-1-methyl-8-(2-thienyl)-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-70-8P, 8-Cyano-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-74-2P, 8-Chloro-1-ethyl-7-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-75-3P, 8-Bromo-1-isopropyl-7-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-76-4P, 8-Bromo-7-hydroxy-1-isopropyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-77-5P, 7-Allyloxy-8-bromo-1-isopropyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-81-1P, 7-(2-Methyl-2H-pyrazol-3-yl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-82-2P, 7-(4-Bromo-2-methyl-2H-pyrazol-3-yl)-1-methyl-2,3,4,5-tetrahydro-1H-3-

benzazepine 616201-83-3P, 7-(3-Chlorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-84-4P, 7-(2-Chlorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-86-6P, 8-Bromo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-87-7P, 8-Fluoro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-88-8P, 7-Fluoro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-89-9P, 7-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-90-2P, 7,8-Dichloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-92-4P, 1-Methyl-7-trifluoromethoxy-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-93-5P, 8-Iodo-1-methyl-7-trifluoromethoxy-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-94-6P, N-Propyl-8-iodo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-95-7P, 1-Ethyl-8-iodo-7-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-96-8P, 7-(3-Methoxyphenyl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-97-9P, 7-(2,6-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-98-0P, 7-(2-Fluorophenyl)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-99-1P, 7-(2-Trifluoromethylphenyl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-00-7P, 7-(3-Trifluoromethylphenyl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-01-8P, 7-(4-Trifluoromethylphenyl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-02-9P, 8-(2-Chlorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-03-0P, 7-Methoxy-1-methyl-8-trifluoromethyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-04-1P, 7-Methoxy-1-methyl-8-pentafluoroethyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-06-3P 616202-08-5P, 8-Chloro-7-fluoro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-69-8P, 8-Iodo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-70-1P, 8-Trifluoromethyl-1-ethyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-71-2P, 8-Bromo-1-ethyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-72-3P, 8-Iodo-1-ethyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-73-4P, 7,8-Dichloro-1-ethyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-74-5P, 8-Chloro-7-fluoro-1-ethyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 2,3,4,5-tetrahydro-1H-3-benzazepine derivs. as selective 5HT-2C receptor agonists)

RN 616201-58-2 CAPLUS
 CN 1H-3-Benzazepin-7-ol, 8-bromo-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

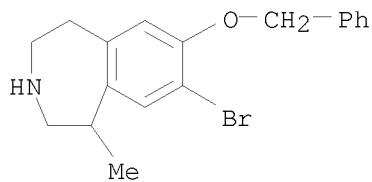


RN 616201-59-3 CAPLUS
 CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl-7-(2-propen-1-yloxy)- (CA INDEX NAME)



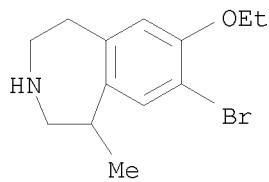
RN 616201-60-6 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)- (CA INDEX NAME)



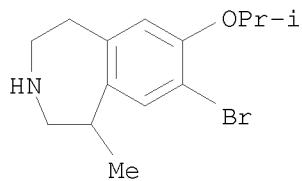
RN 616201-61-7 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-7-ethoxy-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



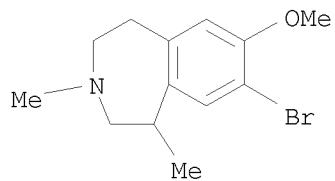
RN 616201-62-8 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl-7-(1-methylethoxy)- (CA INDEX NAME)



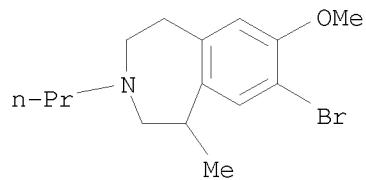
RN 616201-63-9 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1,3-dimethyl- (CA INDEX NAME)



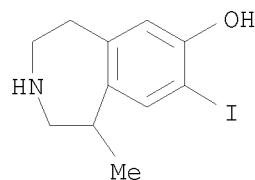
RN 616201-64-0 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-methyl-3-propyl-
(CA INDEX NAME)



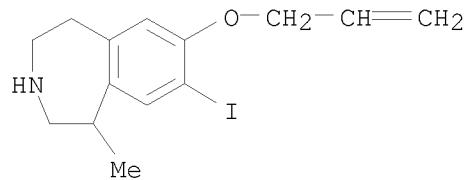
RN 616201-65-1 CAPLUS

CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-8-iodo-1-methyl- (CA INDEX NAME)



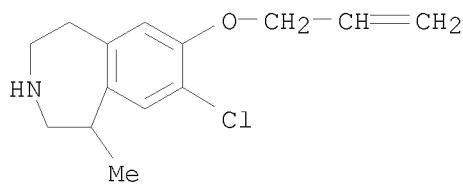
RN 616201-66-2 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-1-methyl-7-(2-propen-1-yloxy)-
(CA INDEX NAME)

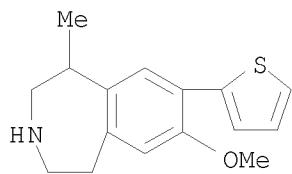


RN 616201-68-4 CAPLUS

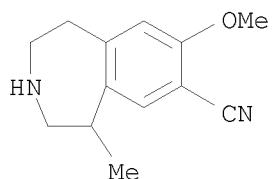
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-7-(2-propen-1-yloxy)-
(CA INDEX NAME)



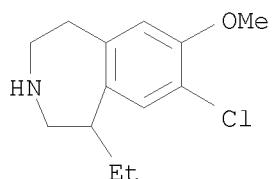
RN 616201-69-5 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-(2-thienyl)-
(CA INDEX NAME)



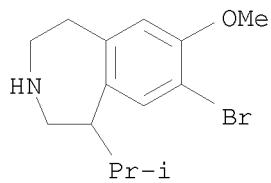
RN 616201-70-8 CAPLUS
CN 1H-3-Benzazepine-7-carbonitrile, 2,3,4,5-tetrahydro-8-methoxy-5-methyl-
(CA INDEX NAME)



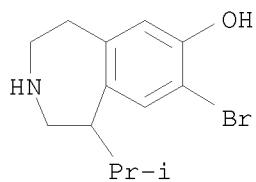
RN 616201-74-2 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro-7-methoxy- (CA
INDEX NAME)



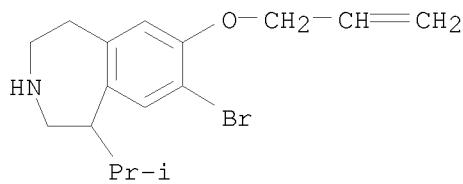
RN 616201-75-3 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-(1-methylethyl)-
(CA INDEX NAME)



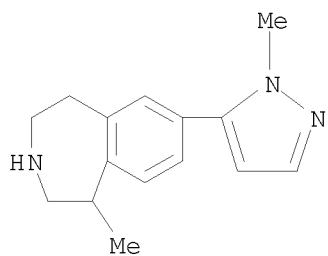
RN 616201-76-4 CAPLUS
 CN 1H-3-Benzazepin-7-ol, 8-bromo-2,3,4,5-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



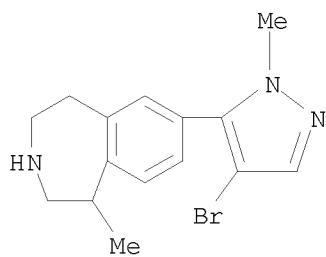
RN 616201-77-5 CAPLUS
 CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-(1-methylethyl)-7-(2-propenyl)- (CA INDEX NAME)



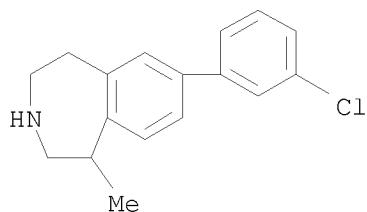
RN 616201-81-1 CAPLUS
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(1-methyl-1H-pyrazol-5-yl)- (CA INDEX NAME)



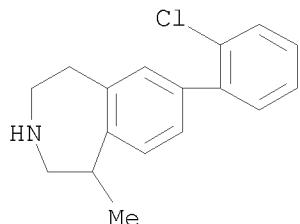
RN 616201-82-2 CAPLUS
 CN 1H-3-Benzazepine, 7-(4-bromo-1-methyl-1H-pyrazol-5-yl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



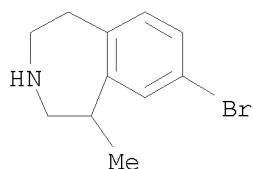
RN 616201-83-3 CAPLUS
CN 1H-3-Benzazepine, 7-(3-chlorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



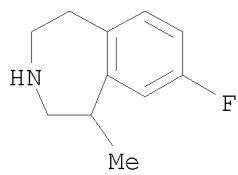
RN 616201-84-4 CAPLUS
CN 1H-3-Benzazepine, 7-(2-chlorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



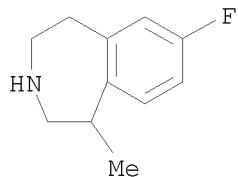
RN 616201-86-6 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



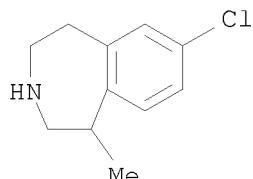
RN 616201-87-7 CAPLUS
CN 1H-3-Benzazepine, 8-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



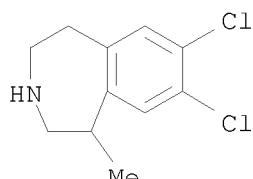
RN 616201-88-8 CAPLUS
CN 1H-3-Benzazepine, 7-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



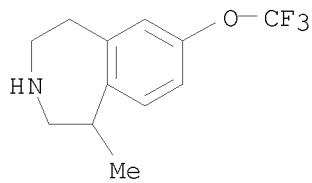
RN 616201-89-9 CAPLUS
CN 1H-3-Benzazepine, 7-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



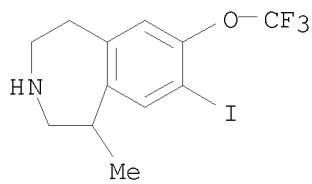
RN 616201-90-2 CAPLUS
CN 1H-3-Benzazepine, 7,8-dichloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



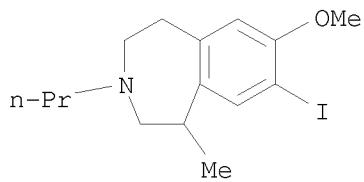
RN 616201-92-4 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(trifluoromethoxy)- (CA INDEX NAME)



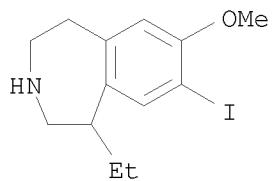
RN 616201-93-5 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-1-methyl-7-(trifluoromethoxy)- (CA INDEX NAME)



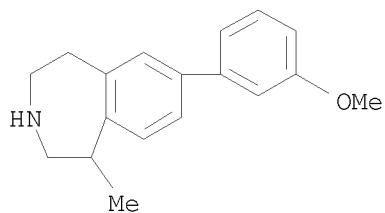
RN 616201-94-6 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl-3-propyl- (CA INDEX NAME)



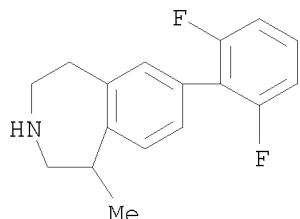
RN 616201-95-7 CAPLUS
CN 1H-3-Benzazepine, 1-ethyl-2,3,4,5-tetrahydro-8-iodo-7-methoxy- (CA INDEX NAME)



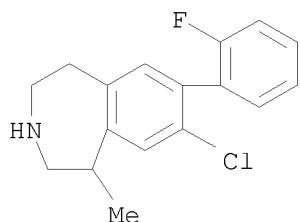
RN 616201-96-8 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-(3-methoxyphenyl)-1-methyl- (CA INDEX NAME)



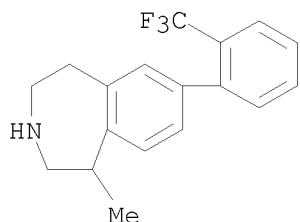
RN 616201-97-9 CAPLUS
CN 1H-3-Benzazepine, 7-(2,6-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 616201-98-0 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-7-(2-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



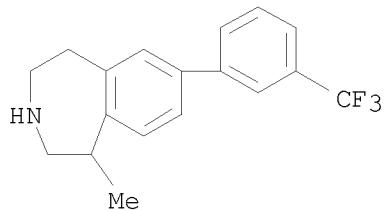
RN 616201-99-1 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 616202-00-7 CAPLUS

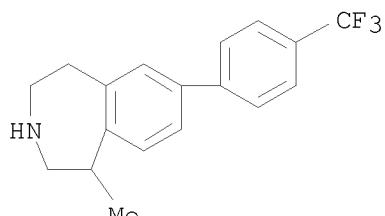
10/561,071

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



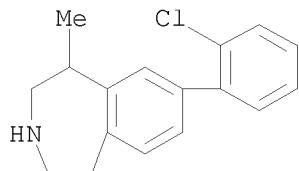
RN 616202-01-8 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-[4-(trifluoromethyl)phenyl]- (CA INDEX NAME)



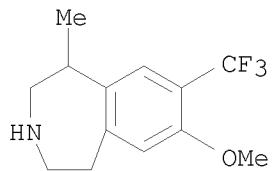
RN 616202-02-9 CAPLUS

CN 1H-3-Benzazepine, 8-(2-chlorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 616202-03-0 CAPLUS

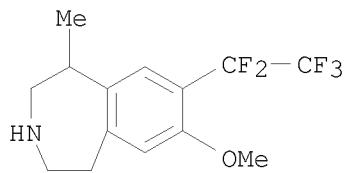
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-(trifluoromethyl)- (CA INDEX NAME)



RN 616202-04-1 CAPLUS

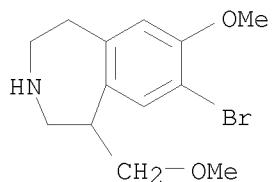
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-(1,1,2,2,2-

pentafluoroethyl)- (CA INDEX NAME)



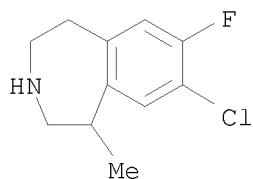
RN 616202-06-3 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-(methoxymethyl)- (CA INDEX NAME)



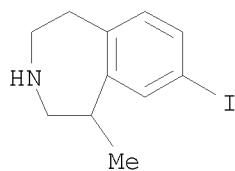
RN 616202-08-5 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-7-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



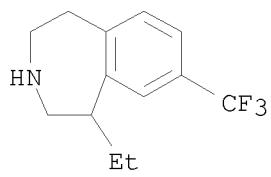
RN 616202-69-8 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-1-methyl- (CA INDEX NAME)

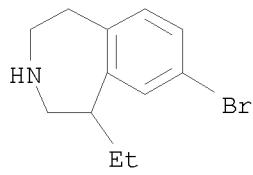


RN 616202-70-1 CAPLUS

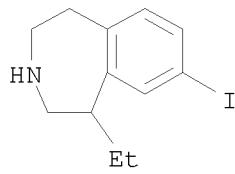
CN 1H-3-Benzazepine, 1-ethyl-2,3,4,5-tetrahydro-8-(trifluoromethyl)- (CA INDEX NAME)



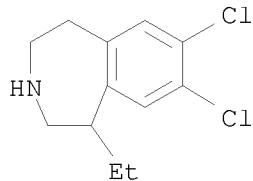
RN 616202-71-2 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-1-ethyl-2,3,4,5-tetrahydro- (CA INDEX NAME)



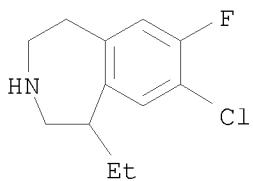
RN 616202-72-3 CAPLUS
CN 1H-3-Benzazepine, 1-ethyl-2,3,4,5-tetrahydro-8-iodo- (CA INDEX NAME)



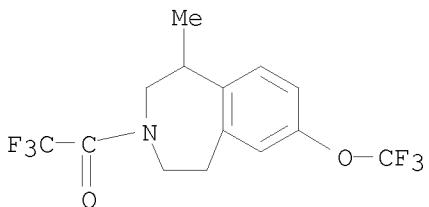
RN 616202-73-4 CAPLUS
CN 1H-3-Benzazepine, 7,8-dichloro-1-ethyl-2,3,4,5-tetrahydro- (CA INDEX NAME)



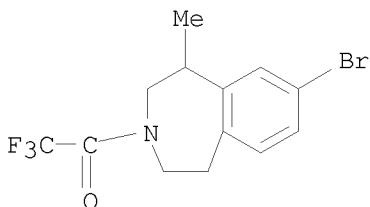
RN 616202-74-5 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-1-ethyl-7-fluoro-2,3,4,5-tetrahydro- (CA INDEX NAME)



- IT 616202-59-6, N-(Trifluoroacetyl)-1-methyl-7-trifluoromethoxy-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-60-9,
N-(Trifluoroacetyl)-8-bromo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 2,3,4,5-tetrahydro-1H-3-benzazepine derivs. as selective 5HT_{2C} receptor agonists)
- RN 616202-59-6 CAPLUS
- CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-1-methyl-7-(trifluoromethoxy)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



- RN 616202-60-9 CAPLUS
- CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

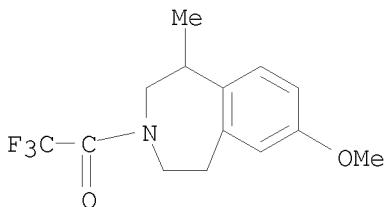


- IT 616202-11-0P, N-(Trifluoroacetyl)-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-12-1P, N-(Trifluoroacetyl)-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
616202-13-2P, N-(Trifluoroacetyl)-8-chloro-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-14-3P,
N-(Trifluoroacetyl)-8-iodo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-15-4P, N-(Trifluoroacetyl)-8-bromo-7-hydroxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-16-5P,
N-(Trifluoroacetyl)-7-allyloxy-8-bromo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-17-6P, N-(Trifluoroacetyl)-7-benzyloxy-8-bromo-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-18-7P,
N-(Trifluoroacetyl)-8-bromo-7-ethyloxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-19-8P, N-(Trifluoroacetyl)-8-bromo-7-isopropoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine

616202-20-1P, N-(Trifluoroacetyl)-7-hydroxy-8-ido-1-methyl-
 2,3,4,5-tetrahydro-1H-3-benzazepine 616202-21-2P,
 N-(Trifluoroacetyl)-7-allyloxy-8-ido-1-methyl-2,3,4,5-tetrahydro-1H-3-
 benzazepine 616202-23-4P, N-(Trifluoroacetyl)-8-chloro-7-hydroxy-
 1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-24-5P,
 N-(Trifluoroacetyl)-7-allyloxy-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-
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 N-(Trifluoroacetyl)-8-cyano-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-
 benzazepine 616202-29-0P, N-(Trifluoroacetyl)-1-hydroxymethyl-7-
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 benzazepine 616202-39-2P, N-(Trifluoroacetyl)-8-bromo-1-
 isopropyl-7-methyloxy-2,3,4,5-tetrahydro-1H-3-benzazepine
 616202-40-5P, N-(Trifluoroacetyl)-8-bromo-7-hydroxy-1-isopropyl-
 2,3,4,5-tetrahydro-1H-3-benzazepine 616202-41-6P,
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 benzazepine 616202-51-8P, N-(Trifluoroacetyl)-8-chloro-1-methyl-
 2,3,4,5-tetrahydro-1H-3-benzazepine 616202-52-9P,
 N-(Trifluoroacetyl)-7-hydroxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 616202-53-0P 616202-54-1P, N-(Trifluoroacetyl)-7-(2-
 Methyl-2H-pyrazol-3-yl)-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 616202-55-2P, N-(Trifluoroacetyl)-7-(4-bromo-2-Methyl-2H-pyrazol-3-
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 616202-67-6P, N-(Trifluoroacetyl)-8-chloro-1-ethyl-2,3,4,5-
 tetrahydro-1H-3-benzazepine 616202-68-7P, N-(Trifluoroacetyl)-8-
 chloro-7-fluoro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of 2,3,4,5-tetrahydro-1H-3-benzazepine derivs. as selective
 5HT-2C receptor agonists)

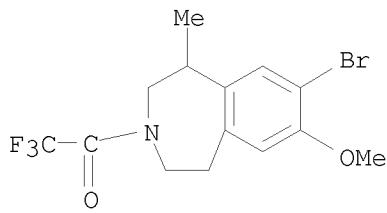
RN 616202-11-0 CAPPLUS

CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-
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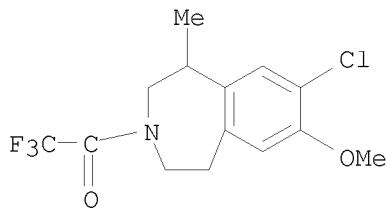
RN 616202-12-1 CAPPLUS

CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-
 3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



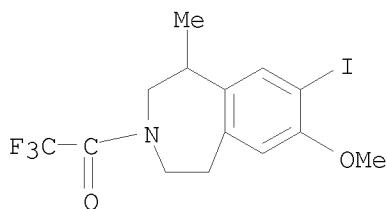
RN 616202-13-2 CAPLUS

CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



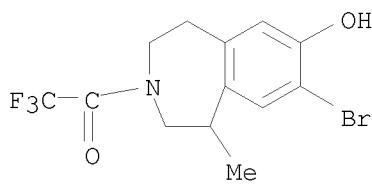
RN 616202-14-3 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



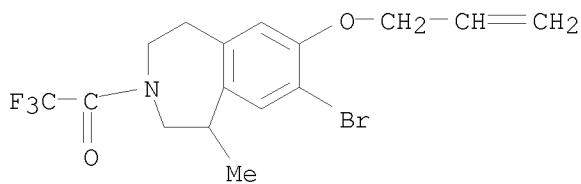
RN 616202-15-4 CAPLUS

CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



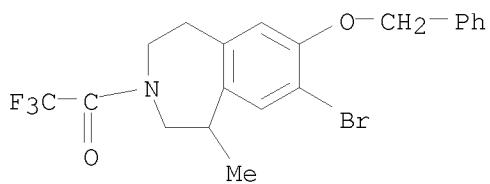
RN 616202-16-5 CAPLUS

CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-methyl-7-(2-propen-1-yloxy)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



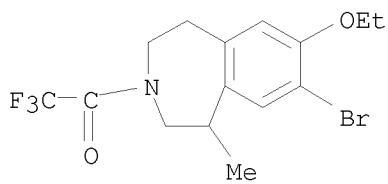
RN 616202-17-6 CAPLUS

CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



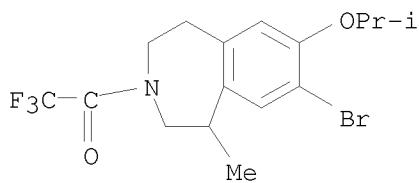
RN 616202-18-7 CAPLUS

CN Ethanone, 1-(8-bromo-7-ethoxy-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



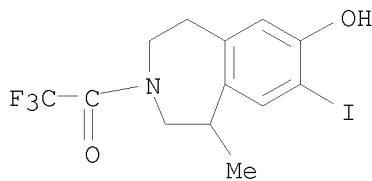
RN 616202-19-8 CAPLUS

CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-methyl-7-(1-methylethoxy)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



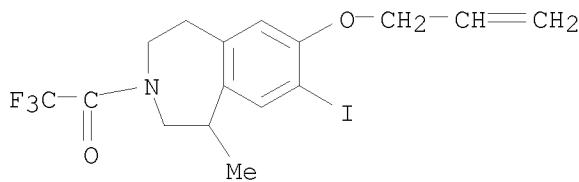
RN 616202-20-1 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-hydroxy-8-ido-1-methyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



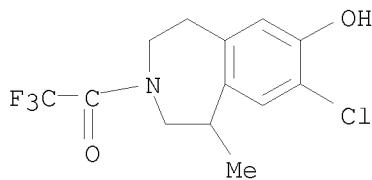
RN 616202-21-2 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-8-iodo-1-methyl-7-(2-propen-1-yloxy)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



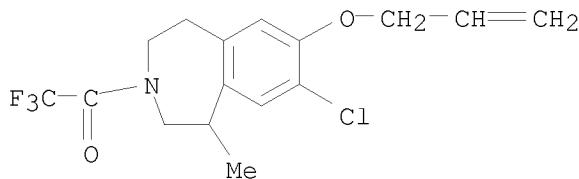
RN 616202-23-4 CAPLUS

CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



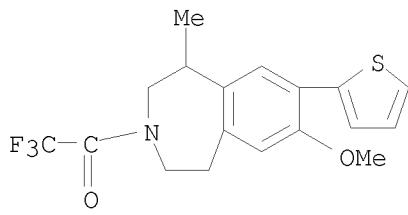
RN 616202-24-5 CAPLUS

CN Ethanone, 1-[8-chloro-1,2,4,5-tetrahydro-1-methyl-7-(2-propen-1-yloxy)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



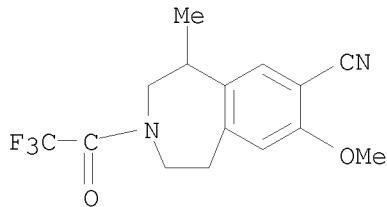
RN 616202-25-6 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-(2-thienyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



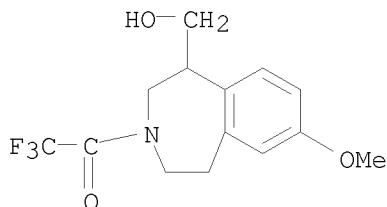
RN 616202-26-7 CAPLUS

CN 1H-3-Benzazepine-7-carbonitrile, 2,3,4,5-tetrahydro-8-methoxy-5-methyl-3-(2,2,2-trifluoroacetyl)- (CA INDEX NAME)



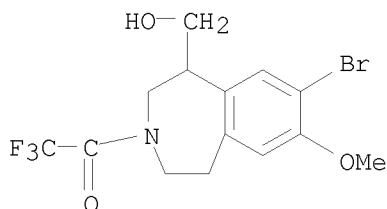
RN 616202-29-0 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-1-(hydroxymethyl)-7-methoxy-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



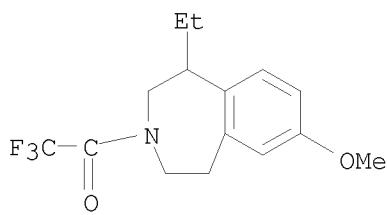
RN 616202-30-3 CAPLUS

CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-(hydroxymethyl)-7-methoxy-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

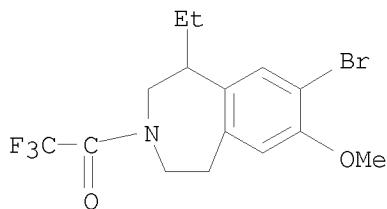


RN 616202-33-6 CAPLUS

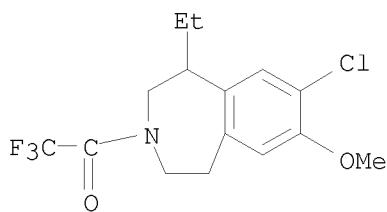
CN Ethanone, 1-(1-ethyl-1,2,4,5-tetrahydro-7-methoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



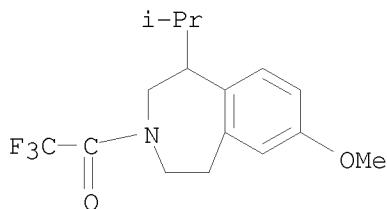
RN 616202-34-7 CAPLUS
 CN Ethanone, 1-(8-bromo-1-ethyl-1,2,4,5-tetrahydro-7-methoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



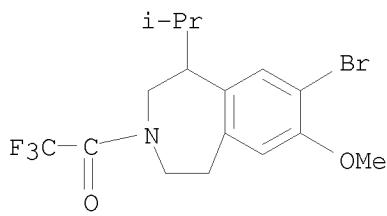
RN 616202-35-8 CAPLUS
 CN Ethanone, 1-(8-chloro-1-ethyl-1,2,4,5-tetrahydro-7-methoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



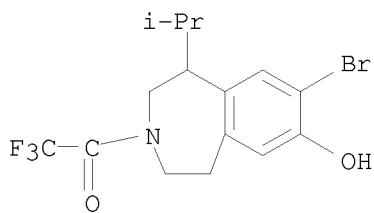
RN 616202-38-1 CAPLUS
 CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-(1-methylethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



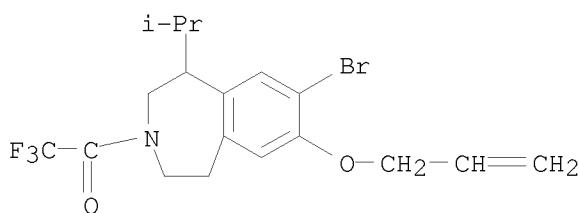
RN 616202-39-2 CAPLUS
 CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-(1-methylethyl)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



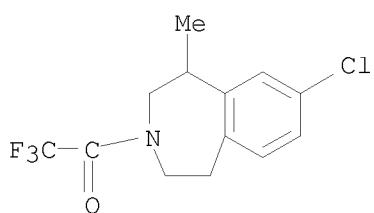
RN 616202-40-5 CAPLUS
 CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-7-hydroxy-1-(1-methylethyl)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



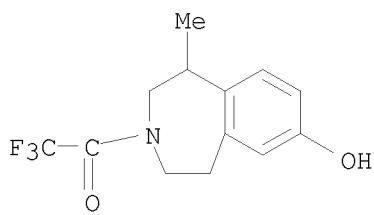
RN 616202-41-6 CAPLUS
 CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-(1-methylethyl)-7-(2-propen-1-yloxy)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-51-8 CAPLUS
 CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

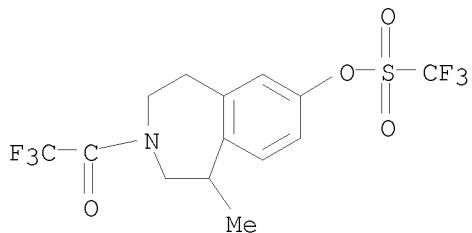


RN 616202-52-9 CAPLUS
 CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



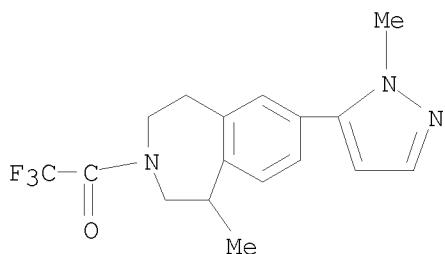
RN 616202-53-0 CAPLUS

CN Methanesulfonic acid, 1,1,1-trifluoro-, 2,3,4,5-tetrahydro-1-methyl-3-(2,2,2-trifluoroacetyl)-1H-3-benzazepin-7-yl ester (CA INDEX NAME)



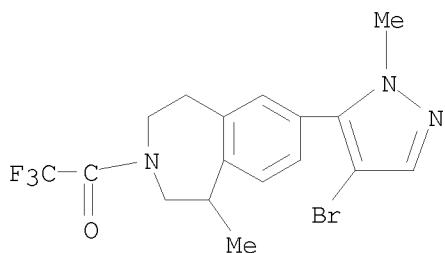
RN 616202-54-1 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-1-methyl-7-(1-methyl-1H-pyrazol-5-yl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



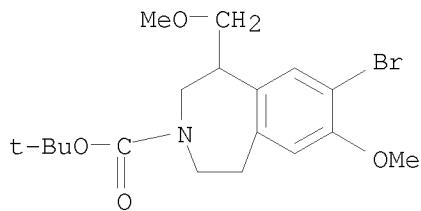
RN 616202-55-2 CAPLUS

CN Ethanone, 1-[7-(4-bromo-1-methyl-1H-pyrazol-5-yl)-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



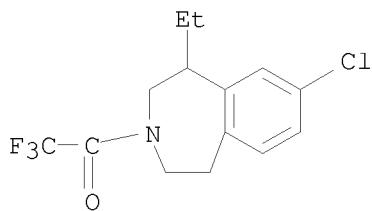
RN 616202-65-4 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-(methoxymethyl)-, 1,1-dimethylethyl ester (CA INDEX NAME)



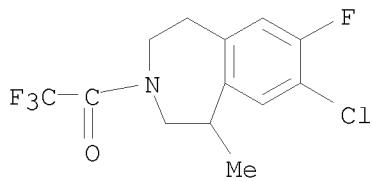
RN 616202-67-6 CAPLUS

CN Ethanone, 1-(8-chloro-1-ethyl-1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-68-7 CAPLUS

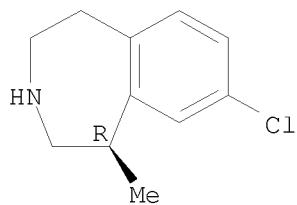
CN Ethanone, 1-(8-chloro-7-fluoro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



L19 ANSWER 9 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:635052 CAPLUS
 DOCUMENT NUMBER: 145:83251
 TITLE: Preapartition of polymorphic crystalline forms of (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride and its sesquihydrate
 INVENTOR(S): Agarwal, Rajesh Kumar; Betts, William L., III; Henshilwood, James A.; Kiang, Yuan-Hon; Post, Noah
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

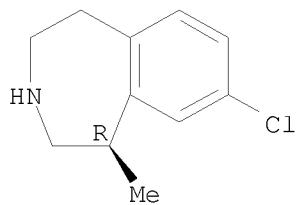
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006069363	A2	20060629	WO 2005-US46983	20051220
WO 2006069363	A3	20070510		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
AU 2005318959	A1	20060629	AU 2005-318959	20051220
CA 2589988	A1	20060629	CA 2005-2589988	20051220
EP 1838677	A2	20071003	EP 2005-855526	20051220
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
CN 101084193	A	20071205	CN 2005-80043392	20051220
JP 2008524262	T	20080710	JP 2007-547060	20051220
IN 2007KN02296	A	20070817	IN 2007-KN2296	20070621
KR 2007098870	A	20071005	KR 2007-716727	20070720
PRIORITY APPLN. INFO.:			US 2004-638221P	P 20041221
			WO 2005-US46983	W 20051220
AB	Polymorphic crystalline forms of (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride and its sesquihydrate, useful as a 5-HT2c receptor agonist and for the treatment of diseases responsive to 5-HT2c receptor agonists (e.g., depression), are prepared			
IT	616202-92-7, (R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine		616202-92-7, (R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine	
RL:	RCT (Reactant); RACT (Reactant or reagent)			
	(preparation of polymorphic crystalline forms of (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride and its sesquihydrate)			
RN	616202-92-7 CAPLUS			
CN	1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)			

Absolute stereochemistry.



IT 846589-98-8P, (R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of polymorphic crystalline forms of
(R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride and its sesquihydrate)
RN 846589-98-8 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

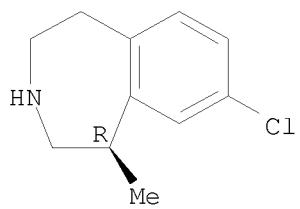
Absolute stereochemistry.



● HCl

IT 856681-05-5P 893407-21-1P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of polymorphic crystalline forms of
(R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride and its sesquihydrate)
RN 856681-05-5 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride, hydrate (2:2:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.



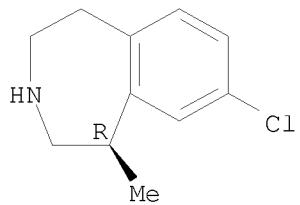
● HCl

● 1/2 H₂O

RN 893407-21-1 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride,
hydrate (2:2:3), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

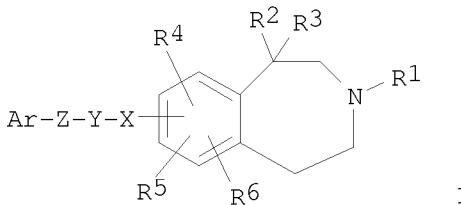


● HCl

● 3/2 H₂O

L19 ANSWER 10 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:409483 CAPLUS
 DOCUMENT NUMBER: 142:463622
 TITLE: Preparation of benzazepine derivatives and methods of prophylaxis or treatment of 5-HT2C receptor associated diseases like obesity
 INVENTOR(S): Smith, Brian; Gilson, Charles, III; Schultz, Jeffrey; Estrada, Scott
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 80 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042491	A1	20050512	WO 2004-US34917	20041021
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20080009478	A1	20080110	US 2007-576849	20070409
PRIORITY APPLN. INFO.:			US 2003-513865P	P 20031022
			WO 2004-US34917	W 20041021
OTHER SOURCE(S): GI	CASREACT 142:463622; MARPAT 142:463622			



AB The present invention relates to substituted-2,3,4,5-tetrahydro-3-benzazepine derivs. (shown as I; variables defined below; e.g. (S)-7-benzyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride (II) and 8-benzyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride (III)) that are modulators of the 5-HT2C receptor. Accordingly, compds. of the present invention are useful for the prophylaxis or treatment of 5-HT2C receptor associated diseases, conditions or disorders, such as, obesity and related disorders. For I: X

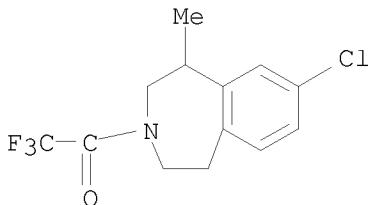
is O, S, SO, SO₂, CO, COO, NR₇, SONR₇, SO₂NR₇, NR₇CONR₇ or is absent; Y is C1-C10 alkenyl or is absent, wherein Y is (un)substituted by halo, C1-C4 alkyl, C1-C4 alkoxy, C1-C4 haloalkyl, C1-C4 haloalkoxy, hydroxy, carboxy, amino, alkylamino, or dialkylamino; Z is O, S, SO, SO₂ or absent; R₁ is H, C1-C8 alkyl, C3-C7 cycloalkyl, or C1-C8 haloalkyl; R₂ is C1-C8 alkyl or C1-C8 haloalkyl; R₃ is H, C1-C8 alkyl, or C1-C8 haloalkyl; or R₂ and R₃ together with the C atom to which they are attached form a C3-C7 cycloalkyl. R₄, R₅, and R₆ = H, halo, C1-C8 alkyl, C1-C8 haloalkyl, C2-C8 alkenyl, C2-C8 alkynyl, aryl, heteroaryl, C3-C7 cycloalkyl, heterocycloalkyl, hydroxy, mercapto, C1-C8 alkoxy, C1-C8 thioalkoxy, C1-C8 haloalkoxy, aryloxy, cycloalkyloxy, heteroaryloxy, heterocycloalkyloxy, cyano, nitro, NR₈R₉, NR₈COR₁₀, COR₁₀, COOR₁₁, or CONR₈R₉; R₇ is H, C1-C4 alkyl, or C1-C4 haloalkyl; R₈ and R₉ = H, C1-C4 alkyl, C1-C4 haloalkyl, C3-C7 cycloalkyl, cycloalkylalkyl, aryl, or arylalkyl; or R₈ and R₉ together with the N atom to which they are attached form a 5- or 6-membered heterocycloalkyl. R₁₀ is H, C1-C4 alkyl, C3-C7 cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, heteroaryl, or heterocycloalkyl; R₁₁ is H, C1-C4 alkyl, C3-C7 cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, heteroaryl, or heterocycloalkyl. Ar is aryl or heteroaryl, each (un)substituted by ≥ 1 halo, cyano, nitro, C1-C6 alkyl, C1-C6 haloalkyl, C2-C6 alkenyl, C2-C6 alkynyl, aryl, heteroaryl, C3-C7 cycloalkyl, heterocycloalkyl, hydroxy, C1-C6 alkoxy, C1-C6 haloalkoxy, C1-C6 haloalkyloxy, C3-C7 cycloalkyloxy, aryloxy, heteroaryloxy, heterocycloalkyloxy, mercapto, C1-C6 thioalkoxy, C3-C7 thiocycloalkyloxy, thioaryloxy, thioheteroaryloxy, C1-C4 alkylsulfinyl, C1-C4 alkylsulfonyl, C1-C4 haloalkylsulfinyl, C1-C4 haloalkylsulfonyl, COR₁₂, COOR₁₃, NR₁₄R₁₅, NR₁₄COR₁₂, NR₁₄CONR₁₄R₁₅, or CONR₁₄R₁₅. Or Ar together with Y and Z form a benzo-fused cycloalkyl or benzo-fused heterocycloalkyl group, each (un)substituted by ≥ 1 halo, cyano, nitro, C1-C6 alkyl, C1-C6 haloalkyl, C2-C6 alkenyl, C2-C6 alkynyl, aryl, heteroaryl, C3-C7 cycloalkyl, heterocycloalkyl, hydroxy, C1-C6 alkoxy, C1-C6 haloalkoxy, C3-C7 cycloalkyloxy, aryloxy, heteroaryloxy, heterocycloalkyloxy, mercapto, C1-C6 thioalkoxy, C3-C7 thiocycloalkyloxy, thioaryloxy, thioheteroaryloxy, C1-C4 alkylsulfinyl, C1-C4 alkylsulfonyl, C1-C4 haloalkylsulfinyl, C1-C4 haloalkylsulfonyl, COR₁₂, COOR₁₃, NR₁₄R₁₅, NR₁₄COR₁₂, NR₁₄CONR₁₄R₁₅, or CONR₁₄R₁₅. R₁₂ is H, C1-C4 alkyl, C3-C7 cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, heteroaryl, or heterocycloalkyl; R₃ is H, C1-C4 alkyl, C3-C7 cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, heteroaryl, or heterocycloalkyl; and R₁₄ and R₁₅ = H, C1-C4 alkyl, C1-C4 haloalkyl, C3-C7 cycloalkyl, cycloalkylalkyl, aryl, or arylalkyl; or R₁₄ and R₁₅ together with the N atom to which they are attached form a 5- or 6-membered heterocycloalkyl group; provisos are given in the claims. Although the methods of preparation are not claimed, 39 example preps. are included. For example, II was prepared in 3 steps starting from (S)-N-(trifluoroacetyl)-8-chloro-1-methyl-1,2,4,5-tetrahydrobenzo[d]azepine and involving intermediates (S)-N-(Trifluoroacetyl)-8-chloro-7-iodo-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine and (S)-N-(Trifluoroacetyl)-7-benzyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine. 5-HT_{2C} IC₅₀ values are reported for II and III as 30 and 7 nM, resp., from an intracellular IP₃ accumulation assay.

IT 616202-51-8P, N-(Trifluoroacetyl)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: PEP (Physical, engineering or chemical process); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)
 (chromatog. resolution; preparation of benzazepine derivs. and methods of

prophylaxis or treatment of 5-HT2C receptor associated diseases like obesity)

RN 616202-51-8 CAPLUS

CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



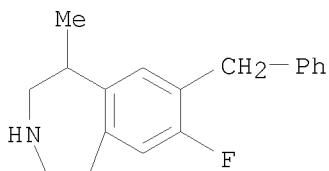
IT 851478-31-4P, 8-Benzyl-7-fluoro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of benzazepine derivs. and methods of prophylaxis or treatment of 5-HT2C receptor associated diseases like obesity)

RN 851478-31-4 CAPLUS

CN 1H-3-Benzazepine, 7-fluoro-2,3,4,5-tetrahydro-1-methyl-8-(phenylmethyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

IT 851477-53-7P, (2-Fluorobenzyl)[(S)-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine monohydrochloride 851477-55-9P, (3-Fluorobenzyl)[(S)-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine monohydrochloride 851477-56-0P, (4-Fluorobenzyl)[(S)-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine monohydrochloride 851477-57-1P, (Indan-1-yl)[(S)-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine monohydrochloride 851477-58-2P, (Biphenyl-4-ylmethyl)[(S)-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine monohydrochloride 851477-59-3P, [2-(3,4-Dimethoxyphenyl)ethyl][(S)-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine monohydrochloride 851477-60-6P, (S)-5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid benzylamide hydrochloride 851477-63-9P, (S)-5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid phenylamide hydrochloride 851477-64-0P, (S)-5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid

phenethylamide hydrochloride 851477-65-1P, (S)-5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid N-(phenpropyl)amide hydrochloride 851477-66-2P, (S)-5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid 4-phenylbenzylamide hydrochloride 851477-67-3P, (S)-8-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851477-70-8P, (S)-7-Benzyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851477-73-1P, 8-Benzyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851477-74-2P, 6-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol hydrochloride 851477-79-7P, (S)-8-(3-Methoxybenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851477-81-1P, (R)-8-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851477-84-4P, 8-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol hydrochloride 851477-87-7P, (S)-1-Methyl-8-phenethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851477-90-2P, (S)-8-(2-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851477-92-4P, (S)-8-(3-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851477-96-8P, (S)-8-(4-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851477-99-1P, (S)-1-Methyl-8-(3-trifluoromethylbenzyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-02-9P, (S)-8-(2,6-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-05-2P, (S)-8-(2,4-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-07-4P, (S)-8-(2,5-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-09-6P, (S)-8-(3,5-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-12-1P, (S)-8-(3,4-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-14-3P, (S)-8-(2-Methoxybenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-16-5P, (S)-8-(4-Methoxybenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-18-7P, (S)-1-Methyl-8-(1-phenylethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepine trifluoroacetate 851478-19-8P, (8-Methoxy-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)phenylmethanone hydrochloride 851478-22-3P, (S)-(5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)phenylmethanone hydrochloride 851478-24-5P, (S)-8-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol hydrochloride 851478-29-0P, (S)-6-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol hydrochloride 851478-32-5P, (S)-8-(3-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol hydrochloride 851478-36-9P, 7-(3-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-38-1P, 1-Methyl-8-(2-phenoxyethoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-39-2P, (4-Fluorobenzyl)(5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)amine 851478-40-5P, (Biphenyl-4-ylmethyl)(5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)amine 851478-41-6P, 5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid phenylamide 851478-42-7P, 5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid benzylamide 851478-43-8P, 5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid phenethylamide 851478-44-9P, 5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine-7-carboxylic acid N-(phenpropyl)amide 851478-45-0P

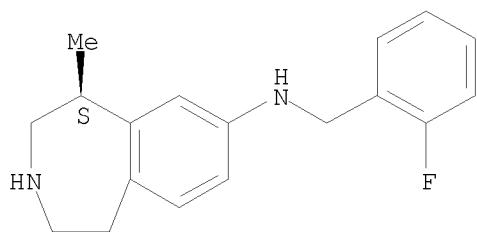
851478-46-1P, [2-(3,4-Dimethoxyphenyl)ethyl](5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)amine 851478-47-2P,
 8-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine
 851478-48-3P, (Indan-1-yl)(5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)amine 851478-49-4P, 7-Benzyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-50-7P,
 8-Benzyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-51-8P, 6-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol 851478-52-9P, 8-(3-Methoxybenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-53-0P,
 8-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol
 851478-54-1P, 1-Methyl-8-phenethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-55-2P, 8-(2-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-56-3P,
 8-(3-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-57-4P, 8-(4-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-58-5P, 1-Methyl-8-(3-trifluoromethylbenzyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepine
 851478-59-6P, 8-(2,6-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-60-9P, 8-(2,4-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-61-0P,
 8-(2,5-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-62-1P, 8-(3,5-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-63-2P, 8-(3,4-Difluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-64-3P,
 8-(2-Methoxybenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-65-4P, 8-(4-Methoxybenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-66-5P, 1-Methyl-8-(1-phenylethyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-67-6P, (8-Methoxy-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)phenylmethanone
 851478-68-7P, (5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl)phenylmethanone 851478-69-8P, 8-Benzyl-7-fluoro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-70-1P,
 8-(3-Fluorobenzyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of benzazepine derivs. and methods of prophylaxis or treatment of 5-HT2C receptor associated diseases like obesity)

RN 851477-53-7 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-[(2-fluorophenyl)methyl]-2,3,4,5-tetrahydro-5-methyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

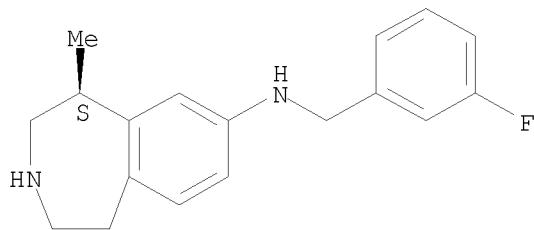


● HCl

RN 851477-55-9 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-[(3-fluorophenyl)methyl]-2,3,4,5-tetrahydro-5-methyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

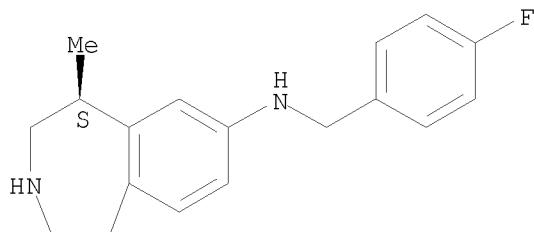


● HCl

RN 851477-56-0 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-[(4-fluorophenyl)methyl]-2,3,4,5-tetrahydro-5-methyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

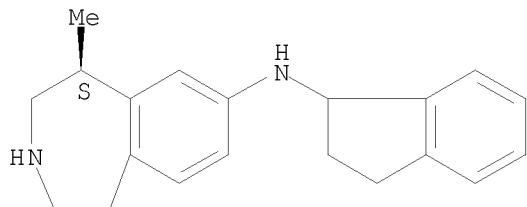


● HCl

RN 851477-57-1 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-(2,3-dihydro-1H-inden-1-yl)-2,3,4,5-tetrahydro-5-methyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

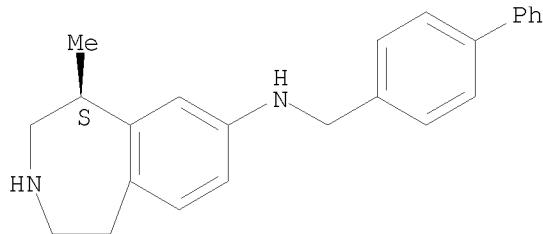


● HCl

RN 851477-58-2 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-([1,1'-biphenyl]-4-ylmethyl)-2,3,4,5-tetrahydro-5-methyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

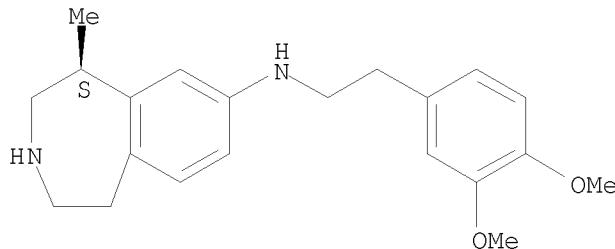


● HCl

RN 851477-59-3 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-[2-(3,4-dimethoxyphenyl)ethyl]-2,3,4,5-tetrahydro-5-methyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

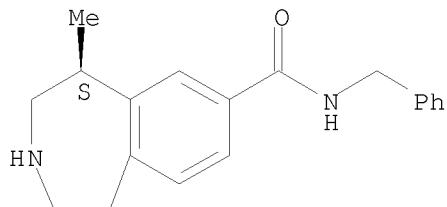


● HCl

RN 851477-60-6 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, 2,3,4,5-tetrahydro-5-methyl-N-(phenylmethyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

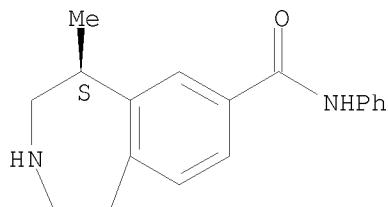


● HCl

RN 851477-63-9 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, 2,3,4,5-tetrahydro-5-methyl-N-phenyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.



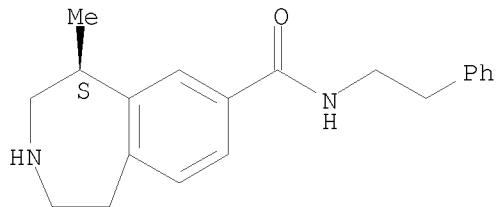
● HCl

RN 851477-64-0 CAPLUS

10/561,071

CN 1H-3-Benzazepine-7-carboxamide, 2,3,4,5-tetrahydro-5-methyl-N-(2-phenylethyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

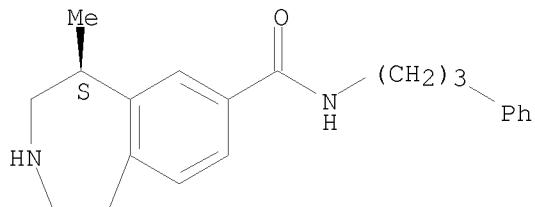


● HCl

RN 851477-65-1 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, 2,3,4,5-tetrahydro-5-methyl-N-(3-phenylpropyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

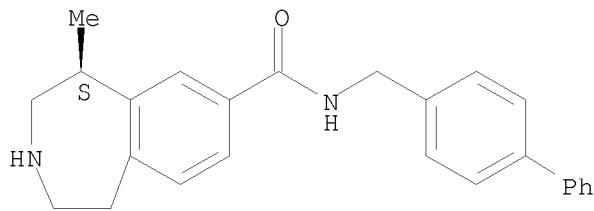


● HCl

RN 851477-66-2 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, N-([1,1'-biphenyl]-4-ylmethyl)-2,3,4,5-tetrahydro-5-methyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

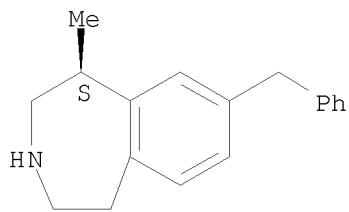


● HCl

RN 851477-67-3 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethyl)-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

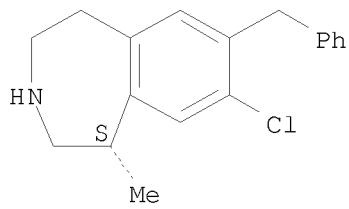


● HCl

RN 851477-70-8 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-7-(phenylmethyl)-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

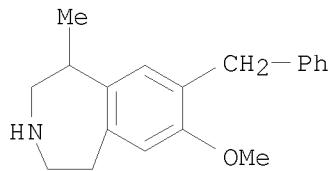
Absolute stereochemistry.



● HCl

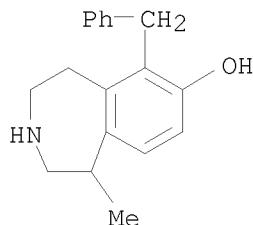
RN 851477-73-1 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-(phenylmethyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851477-74-2 CAPLUS
CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-1-methyl-6-(phenylmethyl)-, hydrochloride (1:1) (CA INDEX NAME)



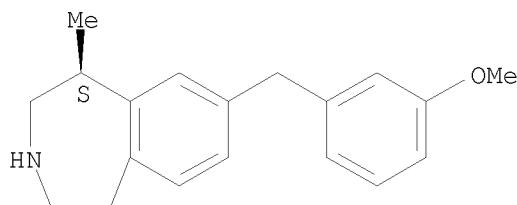
● HCl

RN 851477-79-7 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-[(3-methoxyphenyl)methyl]-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 851477-78-6
CMF C19 H23 N O

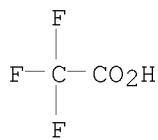
Absolute stereochemistry.



CM 2

10/561,071

CRN 76-05-1
CMF C2 H F3 O2

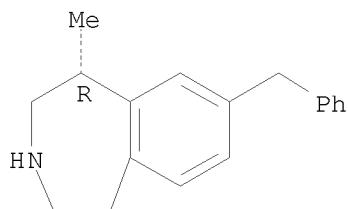


RN 851477-81-1 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethyl)-, (1R)-,
2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

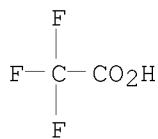
CRN 851477-80-0
CMF C18 H21 N

Absolute stereochemistry.

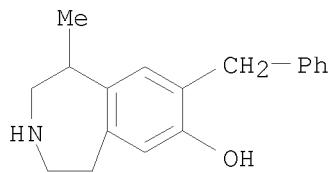


CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 851477-84-4 CAPLUS
CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethyl)-,
hydrochloride (1:1) (CA INDEX NAME)

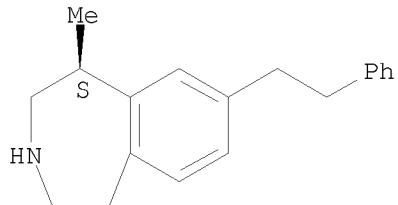


● HCl

RN 851477-87-7 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(2-phenylethyl)-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 851477-90-2 CAPLUS

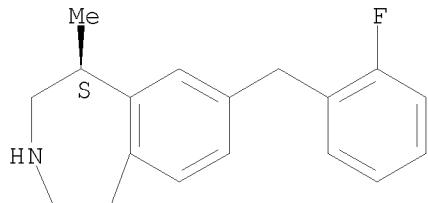
CN 1H-3-Benzazepine, 8-[(2-fluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 851477-89-9

CMF C18 H20 F N

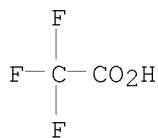
Absolute stereochemistry.



CM 2

10/561,071

CRN 76-05-1
CMF C2 H F3 O2

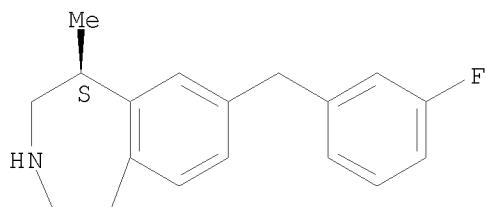


RN 851477-92-4 CAPLUS
CN 1H-3-Benzazepine, 8-[(3-fluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-,
(1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

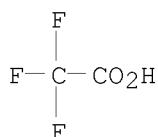
CRN 851477-91-3
CMF C18 H20 F N

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

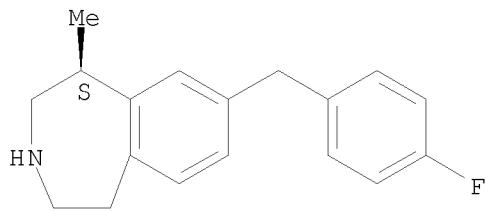


RN 851477-96-8 CAPLUS
CN 1H-3-Benzazepine, 8-[(4-fluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-,
(1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

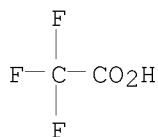
CRN 851477-95-7
CMF C18 H20 F N

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2



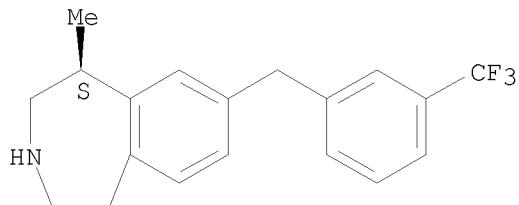
RN 851477-99-1 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-[(3-(trifluoromethyl)phenyl)methyl]-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

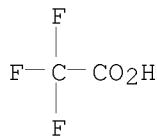
CRN 851477-98-0
CMF C19 H20 F3 N

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 851478-02-9 CAPLUS

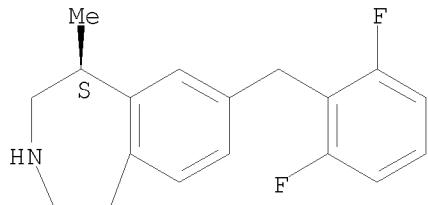
CN 1H-3-Benzazepine, 8-[(2,6-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 851478-01-8

CMF C18 H19 F2 N

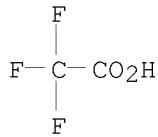
Absolute stereochemistry.



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 851478-05-2 CAPLUS

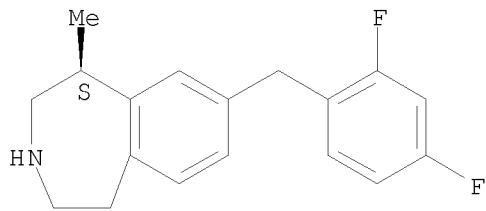
CN 1H-3-Benzazepine, 8-[(2,4-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

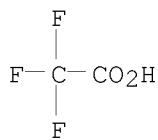
CRN 851478-04-1

CMF C18 H19 F2 N

Absolute stereochemistry.



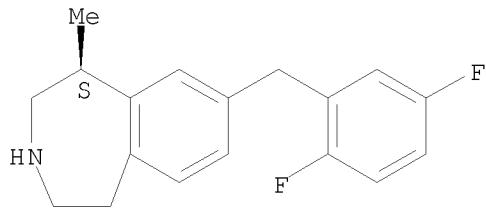
CM 2

CRN 76-05-1
CMF C2 H F3 O2RN 851478-07-4 CAPLUS
CN 1H-3-Benzazepine, 8-[(2,5-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

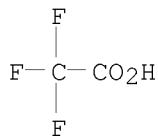
CM 1

CRN 851478-06-3
CMF C18 H19 F2 N

Absolute stereochemistry.



CM 2

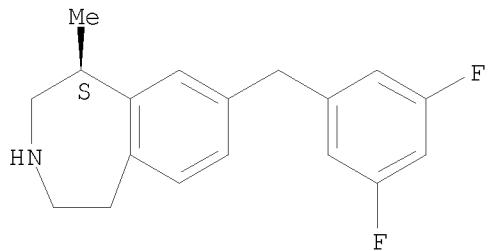
CRN 76-05-1
CMF C2 H F3 O2

RN 851478-09-6 CAPLUS
CN 1H-3-Benzazepine, 8-[(3,5-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

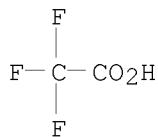
CRN 851478-08-5
CMF C18 H19 F2 N

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

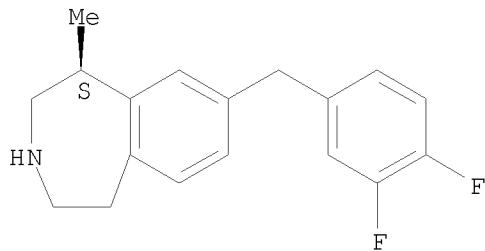


RN 851478-12-1 CAPLUS
CN 1H-3-Benzazepine, 8-[(3,4-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

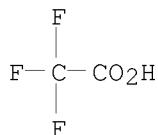
CRN 851478-11-0
CMF C18 H19 F2 N

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

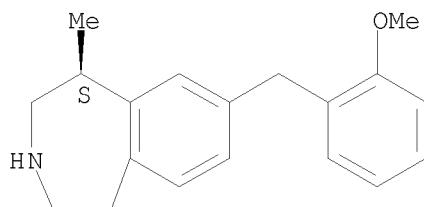


RN 851478-14-3 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-[(2-methoxyphenyl)methyl]-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

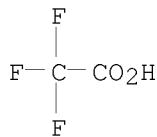
CRN 851478-13-2
CMF C19 H23 N O

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 851478-16-5 CAPLUS

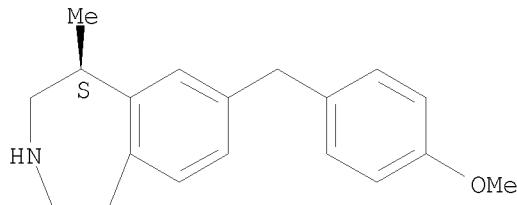
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-[(4-methoxyphenyl)methyl]-1-methyl-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 851478-15-4

CMF C19 H23 N O

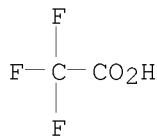
Absolute stereochemistry.



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 851478-18-7 CAPLUS

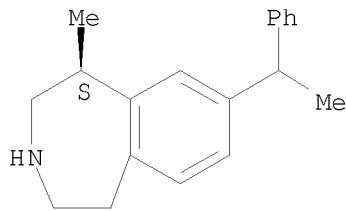
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(1-phenylethyl)-, (1S)-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 851478-17-6

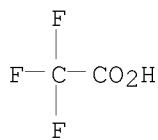
CMF C19 H23 N

Absolute stereochemistry.

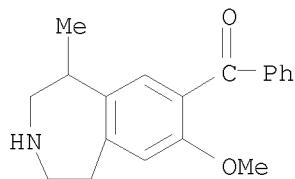


CM 2

CRN 76-05-1
CMF C2 H F3 O2



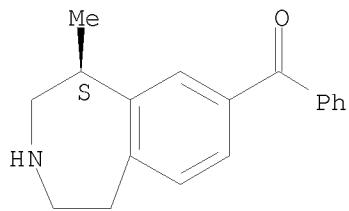
RN 851478-19-8 CAPLUS
CN Methanone, phenyl(2,3,4,5-tetrahydro-8-methoxy-5-methyl-1H-3-benzazepin-7-yl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851478-22-3 CAPLUS
CN Methanone, phenyl[(5S)-2,3,4,5-tetrahydro-5-methyl-1H-3-benzazepin-7-yl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry.

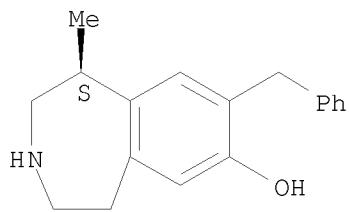


● HCl

RN 851478-24-5 CAPLUS

CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethyl)-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

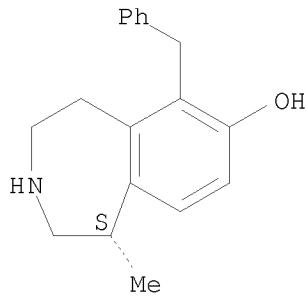


● HCl

RN 851478-29-0 CAPLUS

CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-1-methyl-6-(phenylmethyl)-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.



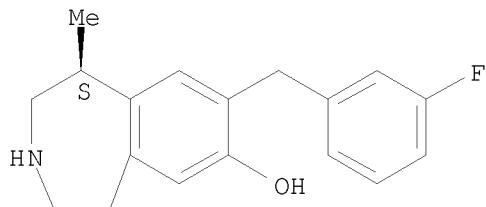
● HCl

10/561,071

RN 851478-32-5 CAPLUS

CN 1H-3-Benzazepin-7-ol, 8-[(3-fluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

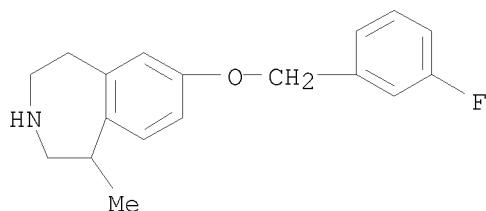
Absolute stereochemistry.



● HCl

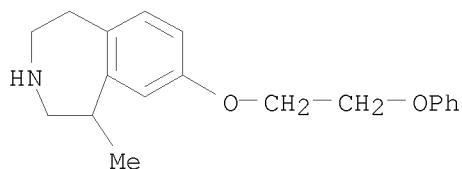
RN 851478-36-9 CAPLUS

CN 1H-3-Benzazepine, 7-[(3-fluorophenyl)methoxy]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



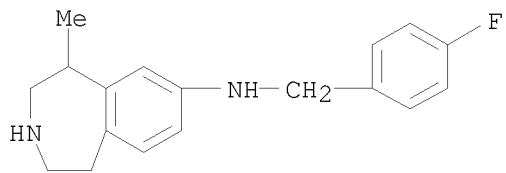
RN 851478-38-1 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(2-phenoxyethoxy)- (CA INDEX NAME)



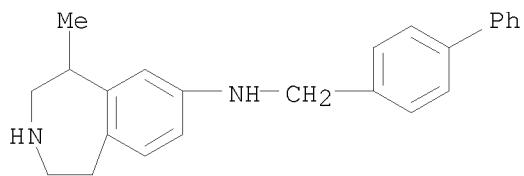
RN 851478-39-2 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-[(4-fluorophenyl)methyl]-2,3,4,5-tetrahydro-5-methyl- (CA INDEX NAME)



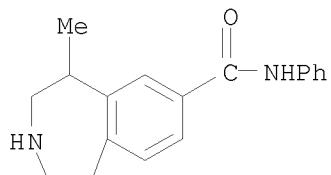
RN 851478-40-5 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-([1,1'-biphenyl]-4-ylmethyl)-2,3,4,5-tetrahydro-5-methyl- (CA INDEX NAME)



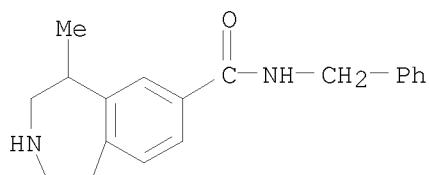
RN 851478-41-6 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, 2,3,4,5-tetrahydro-5-methyl-N-phenyl- (CA INDEX NAME)



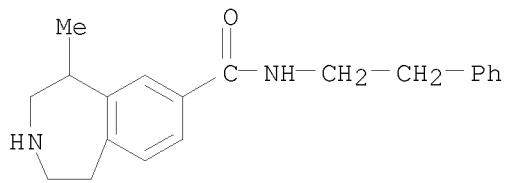
RN 851478-42-7 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, 2,3,4,5-tetrahydro-5-methyl-N-(phenylmethyl)- (CA INDEX NAME)



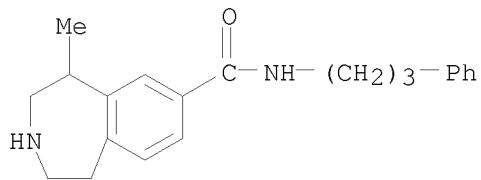
RN 851478-43-8 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, 2,3,4,5-tetrahydro-5-methyl-N-(2-phenylethyl)- (CA INDEX NAME)



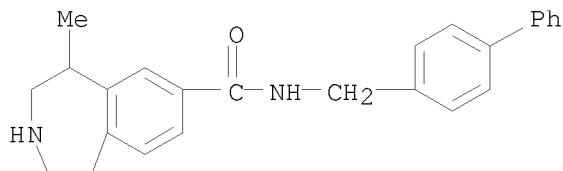
RN 851478-44-9 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, 2,3,4,5-tetrahydro-5-methyl-N-(3-phenylpropyl)- (CA INDEX NAME)



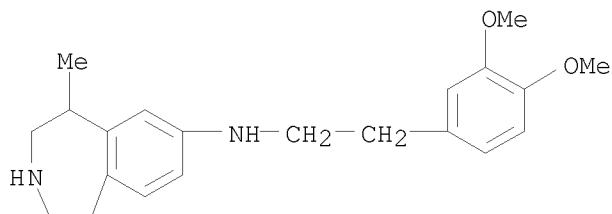
RN 851478-45-0 CAPLUS

CN 1H-3-Benzazepine-7-carboxamide, N-([1,1'-biphenyl]-4-ylmethyl)-2,3,4,5-tetrahydro-5-methyl- (CA INDEX NAME)



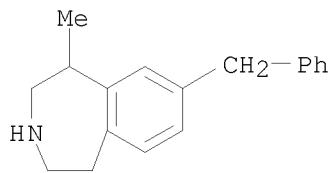
RN 851478-46-1 CAPLUS

CN 1H-3-Benzazepin-7-amine, N-[2-(3,4-dimethoxyphenyl)ethyl]-2,3,4,5-tetrahydro-5-methyl- (CA INDEX NAME)

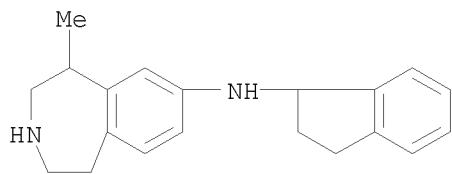


RN 851478-47-2 CAPLUS

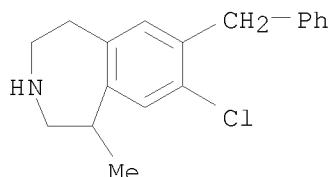
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethyl)- (CA INDEX NAME)



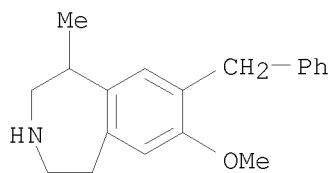
RN 851478-48-3 CAPLUS
CN 1H-3-Benzazepin-7-amine, N-(2,3-dihydro-1H-inden-1-yl)-2,3,4,5-tetrahydro-5-methyl- (CA INDEX NAME)



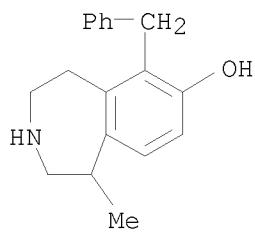
RN 851478-49-4 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-7-(phenylmethyl)- (CA INDEX NAME)



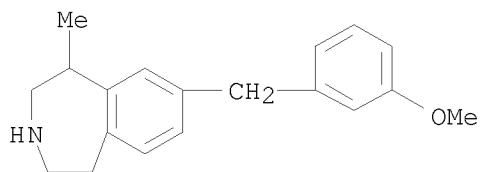
RN 851478-50-7 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-(phenylmethyl)- (CA INDEX NAME)



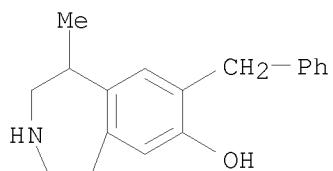
RN 851478-51-8 CAPLUS
CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-1-methyl-6-(phenylmethyl)- (CA INDEX NAME)



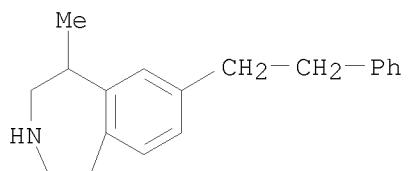
RN 851478-52-9 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-[(3-methoxyphenyl)methyl]-1-methyl-
(CA INDEX NAME)



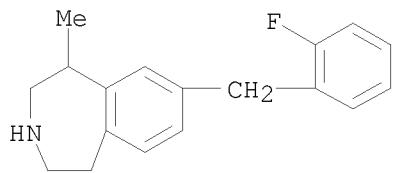
RN 851478-53-0 CAPLUS
CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethyl)-
(CA INDEX NAME)



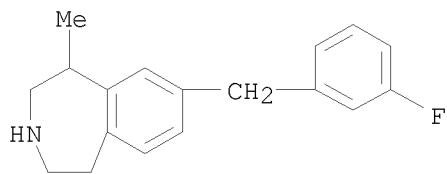
RN 851478-54-1 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(2-phenylethyl)-
(CA INDEX NAME)



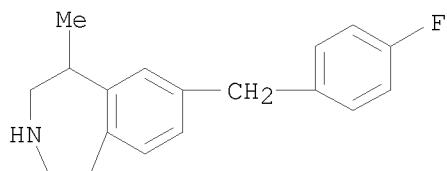
RN 851478-55-2 CAPLUS
CN 1H-3-Benzazepine, 8-[(2-fluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl-
(CA INDEX NAME)



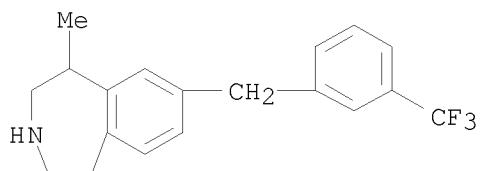
RN 851478-56-3 CAPLUS
CN 1H-3-Benzazepine, 8-[(3-fluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



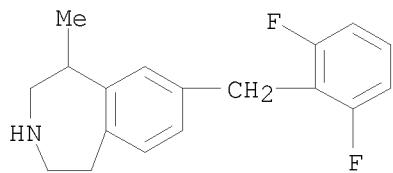
RN 851478-57-4 CAPLUS
CN 1H-3-Benzazepine, 8-[(4-fluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



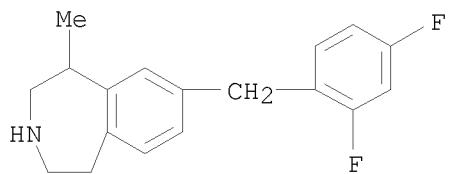
RN 851478-58-5 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-[[3-(trifluoromethyl)phenyl]methyl]- (CA INDEX NAME)



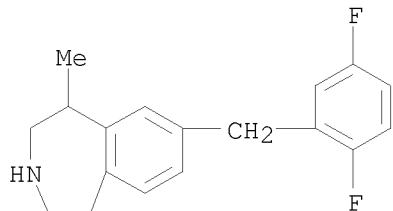
RN 851478-59-6 CAPLUS
CN 1H-3-Benzazepine, 8-[(2,6-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



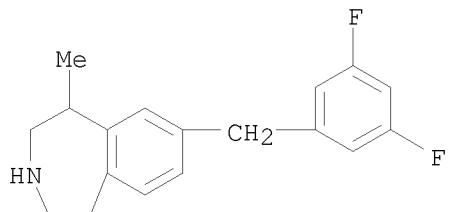
RN 851478-60-9 CAPLUS
CN 1H-3-Benzazepine, 8-[(2,4-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



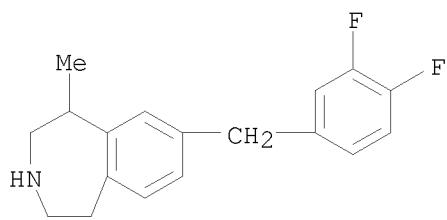
RN 851478-61-0 CAPLUS
CN 1H-3-Benzazepine, 8-[(2,5-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 851478-62-1 CAPLUS
CN 1H-3-Benzazepine, 8-[(3,5-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

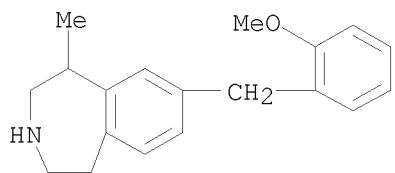


RN 851478-63-2 CAPLUS
CN 1H-3-Benzazepine, 8-[(3,4-difluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



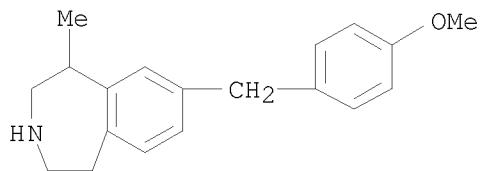
RN 851478-64-3 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-[(2-methoxyphenoxy)methyl]-1-methyl-
(CA INDEX NAME)



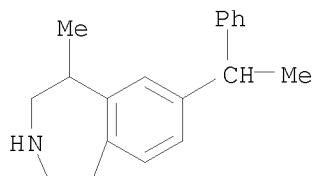
RN 851478-65-4 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-[(4-methoxyphenoxy)methyl]-1-methyl-
(CA INDEX NAME)



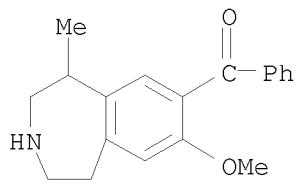
RN 851478-66-5 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(1-phenylethyl)-
(CA INDEX NAME)

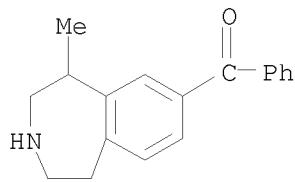


RN 851478-67-6 CAPLUS

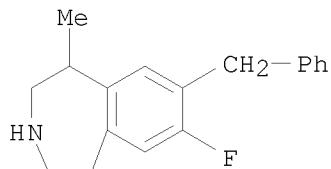
CN Methanone, phenyl(2,3,4,5-tetrahydro-8-methoxy-5-methyl-1H-3-benzazepin-7-yl)-
(CA INDEX NAME)



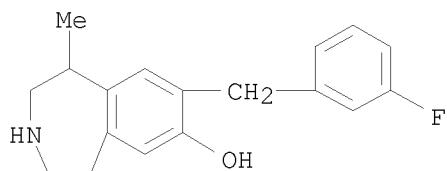
RN 851478-68-7 CAPLUS
CN Methanone, phenyl(2,3,4,5-tetrahydro-5-methyl-1H-3-benzazepin-7-yl)- (CA INDEX NAME)



RN 851478-69-8 CAPLUS
CN 1H-3-Benzazepine, 7-fluoro-2,3,4,5-tetrahydro-1-methyl-8-(phenylmethyl)- (CA INDEX NAME)

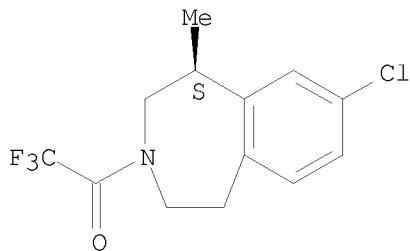


RN 851478-70-1 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-[(3-fluorophenyl)methyl]-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



IT 616202-78-9P, (S)-N-(Trifluoroethanoyl)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of benzazepine derivs. and methods of prophylaxis or treatment of 5-HT_{2C} receptor associated diseases like obesity)
RN 616202-78-9 CAPLUS
CN Ethanone, 1-[(1S)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.



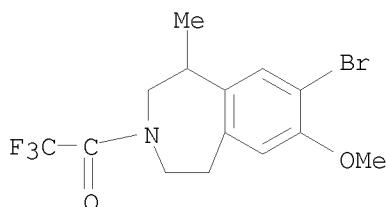
IT 616202-12-1, N-(Trifluoroacetyl)-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851477-82-2,
(R)-N-tert-Butoxycarbonyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851477-86-6, N-(Trifluoroacetyl)-8-benzyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-23-4, N-Boc-8-benzoyl-1-methyl-1,2,4,5-tetrahydrobenzo[d]azepine 851478-26-7, (S)-N-(Trifluoroethanoyl)-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-30-3, (S)-7-Benzylxyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-34-7, (S)-N-(Trifluoroethanoyl)-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of benzazepine derivs. and methods of prophylaxis or treatment of 5-HT2C receptor associated diseases like obesity)

RN 616202-12-1 CAPLUS

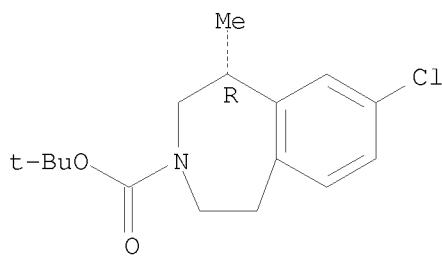
CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 851477-82-2 CAPLUS

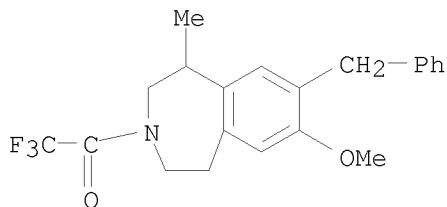
CN 3H-3-Benzazepine-3-carboxylic acid, 8-chloro-1,2,4,5-tetrahydro-1-methyl-1,1-dimethylethyl ester, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



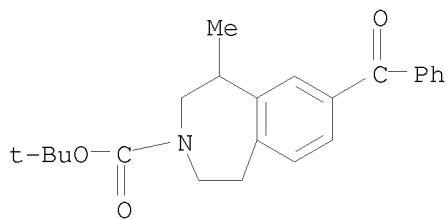
RN 851477-86-6 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-(phenylmethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



RN 851478-23-4 CAPLUS

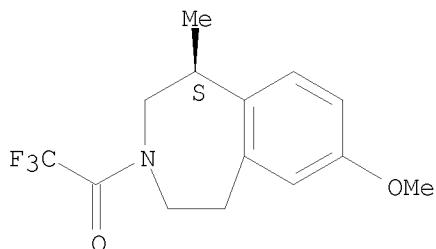
CN 3H-3-Benzazepine-3-carboxylic acid, 8-benzoyl-1,2,4,5-tetrahydro-1-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 851478-26-7 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

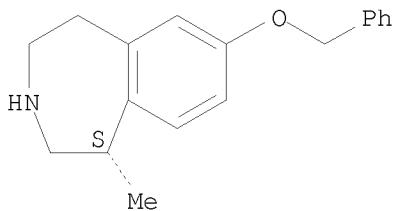
Absolute stereochemistry.



RN 851478-30-3 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-, (1S)-
(CA INDEX NAME)

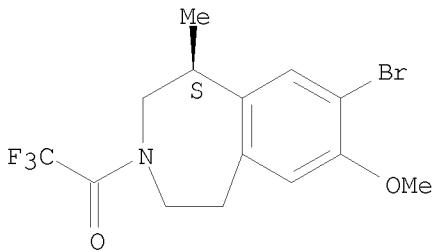
Absolute stereochemistry.



RN 851478-34-7 CAPLUS

CN Ethanone, 1-[{(1S)-8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl}-2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.



IT 616202-81-4P, (S)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 851477-54-8P, (S)-N-tert-Butoxycarbonyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851477-61-7P, (S)-8-(Furan-2-yl)-1-methyl-1,2,4,5-tetrahydrobenzo[d]azepine-3-carboxylic acid tert-butyl ester 851477-62-8P, (S)-5-Methyl-1,2,4,5-tetrahydrobenzo[d]azepine-3,7-dicarboxylic acid 3-tert-butyl ester 851477-68-4P, (S)-8-(N-Methoxy-N-methylcarbamoyl)-1-methyl-1,2,4,5-tetrahydrobenzo[d]azepine-3-carboxylic acid tert-butyl ester 851477-69-5P, (S)-8-Benzoyl-1-methyl-1,2,4,5-tetrahydrobenzo[d]azepine-3-carboxylic acid tert-butyl ester 851477-71-9P, (S)-N-(Trifluoroethanoyl)-8-chloro-7-iodo-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851477-72-0P, (S)-N-(Trifluoroethanoyl)-7-benzyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851477-77-5P, 7-Benzylxyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851477-83-3P, N-(Trifluoroacetyl)-8-benzyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851477-85-5P, N-(Trifluoroacetyl)-8-benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol 851477-88-8P, (S)-N-tert-Butoxycarbonyl-1-methyl-8-styryl-1,2,4,5-tetrahydro-3H-benzo[d]azepine 851478-20-1P, N-(Trifluoroacetyl)-7-methoxy-1-methyl-8-(1-phenylvinyl)-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-21-2P, [N-(Trifluoroacetyl)-8-methoxy-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]phenylmethanone 851478-25-6P, (S)-N-(Trifluoroethanoyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-

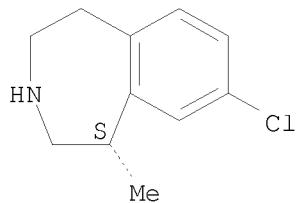
ol 851478-27-8P, (S)-N-(Trifluoroethanoyl)-7-benzyloxy-1-methyl-
2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-28-9P,
(S)-7-Benzyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine
hydrochloride 851478-33-6P, (S)-N-(Trifluoroethanoyl)-8-(3-
fluorobenzyl)-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine
851478-35-8P, (S)-N-(Trifluoroethanoyl)-8-(3-fluorobenzyl)-1-
methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(preparation of benzazepine derivs. and methods of prophylaxis or treatment
of 5-HT2C receptor associated diseases like obesity)

RN 616202-81-4 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX
NAME)

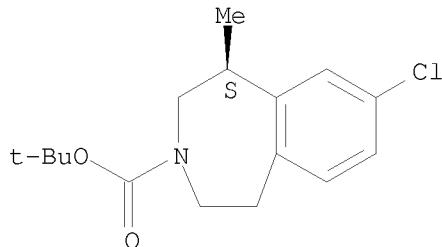
Absolute stereochemistry.



RN 851477-54-8 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 8-chloro-1,2,4,5-tetrahydro-1-methyl-,
1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

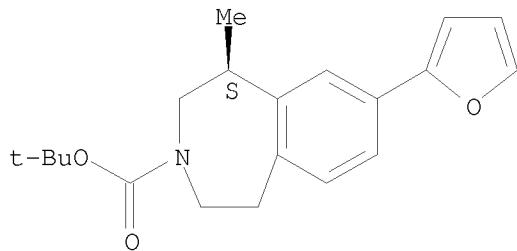
Absolute stereochemistry.



RN 851477-61-7 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 8-(2-furanyl)-1,2,4,5-tetrahydro-1-
methyl-, 1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

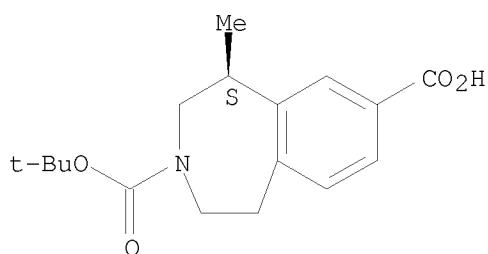
Absolute stereochemistry.



RN 851477-62-8 CAPLUS

CN 3H-3-Benzazepine-3,7-dicarboxylic acid, 1,2,4,5-tetrahydro-5-methyl-, 3-(1,1-dimethylethyl) ester, (5S)- (CA INDEX NAME)

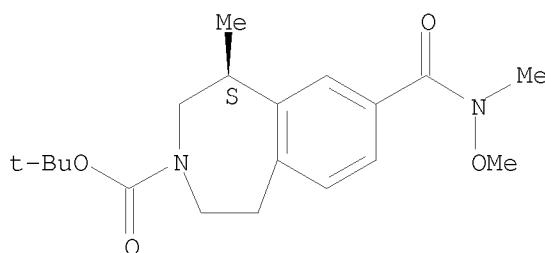
Absolute stereochemistry.



RN 851477-68-4 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-8-[(methoxymethylamino)carbonyl]-1-methyl-, 1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

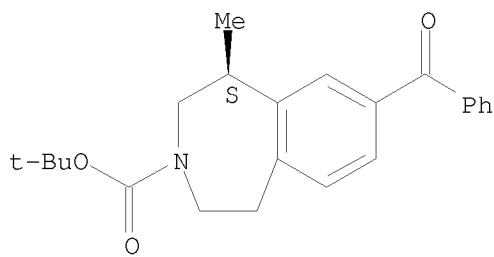
Absolute stereochemistry.



RN 851477-69-5 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 8-benzoyl-1,2,4,5-tetrahydro-1-methyl-, 1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

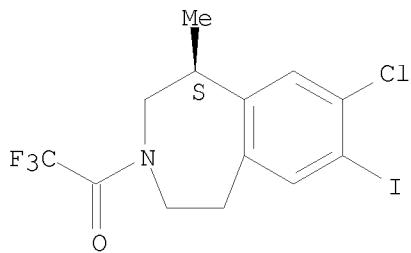
Absolute stereochemistry.



RN 851477-71-9 CAPLUS

CN Ethanone, 1-[(1S)-8-chloro-1,2,4,5-tetrahydro-7-iodo-1-methyl-3H-3-benzazepin-3-yl]-2,2-trifluoro- (CA INDEX NAME)

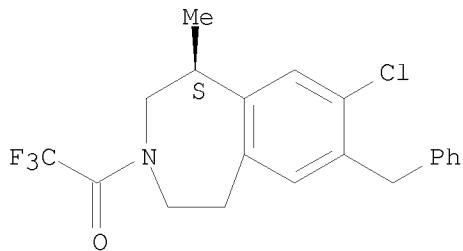
Absolute stereochemistry.



RN 851477-72-0 CAPLUS

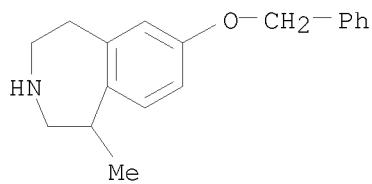
CN Ethanone, 1-[(1S)-8-chloro-1,2,4,5-tetrahydro-1-methyl-7-(phenylmethyl)-3H-3-benzazepin-3-yl]-2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.



RN 851477-77-5 CAPLUS

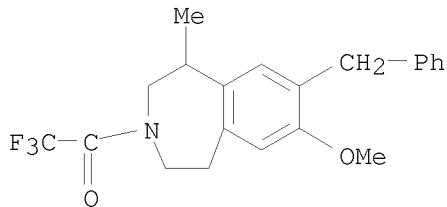
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851477-83-3 CAPLUS

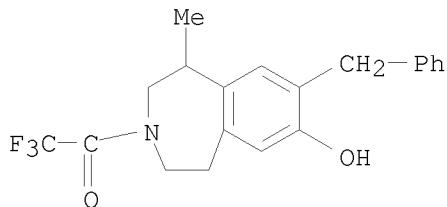
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-(phenylmethyl)-3H-3-benzazepin-3-yl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851477-85-5 CAPLUS

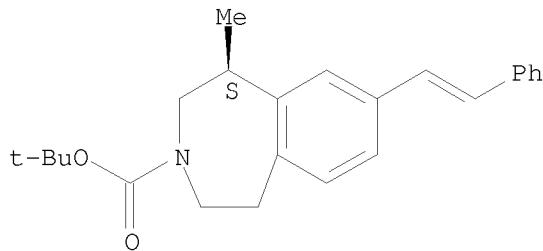
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-hydroxy-1-methyl-8-(phenylmethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



RN 851477-88-8 CAPLUS

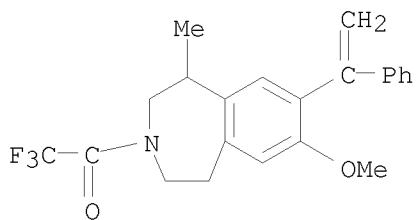
CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-8-(2-phenylethenyl)-, 1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



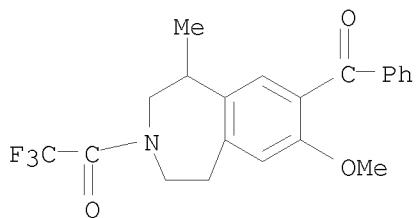
RN 851478-20-1 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-(1-phenylethenyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



RN 851478-21-2 CAPLUS

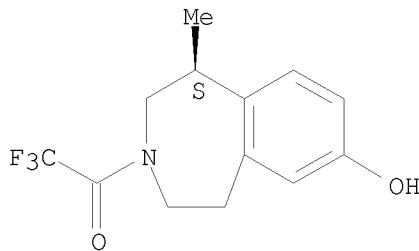
CN Ethanone, 1-(8-benzoyl-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 851478-25-6 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

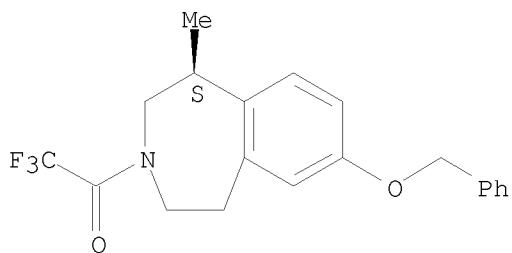
Absolute stereochemistry.



RN 851478-27-8 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

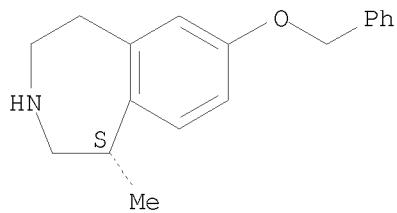
Absolute stereochemistry.



RN 851478-28-9 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

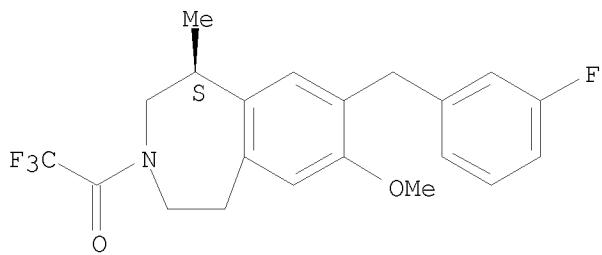


● HCl

RN 851478-33-6 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-8-[(3-fluorophenyl)methyl]-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

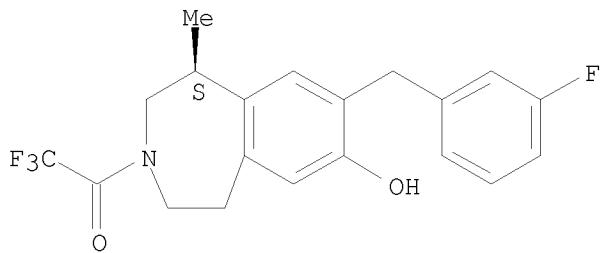
Absolute stereochemistry.



RN 851478-35-8 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-8-[(3-fluorophenyl)methyl]-1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



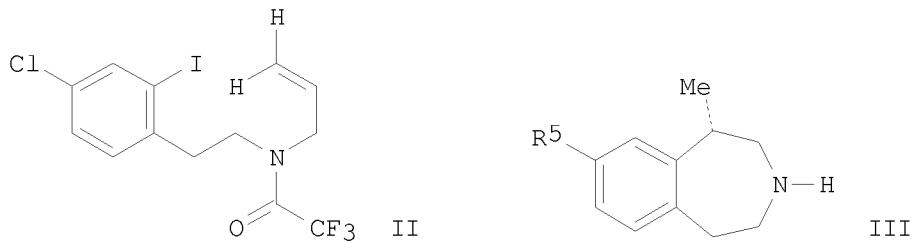
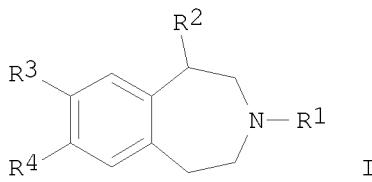
REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:409482 CAPLUS
 DOCUMENT NUMBER: 142:463621
 TITLE: Benzazepine derivatives, their preparation and use for prophylaxis or treatment of 5HT2C receptor-associated diseases
 INVENTOR(S): Smith, Brian; Schultz, Jeffrey; Gilson, Charles, III; Estrada, Scott
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042490	A1	20050512	WO 2004-US34914	20041021
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20070275949	A1	20071129	US 2006-573196	20060420
PRIORITY APPLN. INFO.:			US 2003-513894P	P 20031022
			WO 2004-US34914	W 20041021
OTHER SOURCE(S): GI	CASREACT 142:463621; MARPAT 142:463621			



AB The invention relates to substituted 2,3,4,5-tetrahydro-3-benzazepine derivs. I, that are modulators of the 5HT2C receptor. In compds. I, R1 is H or C1-8 alkyl; R2 is C1-8 alkyl; R3 is H, aryl, arylalkyloxy, arylalkylamino, arylamino, or heteroaryl, where the N is optionally substituted and where the aryl is optionally substituted with up to two substituents selected from C1-8 alkyl, halo, perhaloalkyl, and alkoxy; R4 is H, arylalkyloxy, alkoxy, or aryloxy; provided that at least one of R3 and R4 is other than H, etc. The invention also relates to the preparation of I, pharmaceutical compns. containing I and a pharmaceutically acceptable carrier, as well as to the use of the compns. for the treatment of disorders involving 5HT2C receptors. N-Protection of 4-chlorophenethylamine as the trifluoroacetamide followed by iodination and N-allylation resulted in the formation of II. II underwent intramol. Heck reaction followed by hydrogenation, separation of enantiomers, and deprotection to give III [R5 = Cl; (S)-enantiomer shown], which, upon N-Boc-protection, substitution with benzylamine, and deprotection, produced III (R5 = NHCH₂Ph) as the hydrochloride. Several compds. were tested for 5HT2C agonist activity, with 12 of those having IC₅₀ values between 1 nM and 1.3 μM and several others below 10 μM. Some compds. of the invention have 3-10 times greater 5HT2C agonist activity than 5HT2B agonist activity.

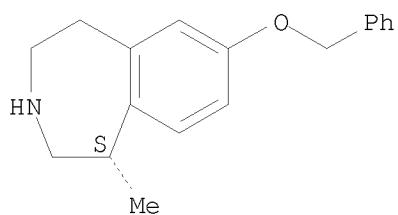
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851544-41-7P 851544-44-0P 851544-47-3P
851544-49-5P 851544-51-9P 851544-53-1P,
8-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-60-0P, (S)-1-Methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-64-4P, 1-Methyl-7-(1-phenylethoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-66-6P, 1-Methyl-7-phenethoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-67-7P, 1-Methyl-7-(3-phenylpropoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-68-8P, 8-Benzyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-73-5P, (R)-1-Methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-75-7P,

7-Methoxy-1-methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-77-9P, (S)-8-(2-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-78-0P, (S)-8-(3-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-79-1P, (S)-8-(4-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-80-4P, (S)-8-(2,6-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-81-5P, (R)-8-(3-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-82-6P, (R)-8-(4-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-83-7P, (R)-8-(2,3-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-84-8P, (S)-8-(2,5-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-85-9P, (R)-1-Methyl-8-pyridin-3-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-86-0P, 1-Methyl-8-pyridin-2-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-89-3P, 7-Benzylxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-90-6P, 1-Methyl-7-(1-phenylethoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-91-7P, 1-Methyl-7-phenethoxy-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-92-8P, 1-Methyl-7-(3-phenylpropoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-93-9P, Benzyl[5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine 851544-94-0P, [5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl](1'-phenylethyl)amine 851544-95-1P, N-Benzyl-N-methyl[5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine 851544-96-2P, N-[5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]phenethylamine 851544-97-3P, N-[5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl](3-phenylpropyl)amine 851544-98-4P, N-[5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]phenylamine 851544-99-5P, 1-Methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-00-1P, 7-Methoxy-1-methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-01-2P, 8-(2-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-02-3P, 8-(3-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-03-4P, 8-(4-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-04-5P, 8-(2,6-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-05-6P, 8-(2,3-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-06-7P, 8-(2,5-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-07-8P, 1-Methyl-8-pyridin-3-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-08-9P, 1-Methyl-8-pyridin-2-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of benzazepine derivs. and use as 5HT2C receptor agonists)

RN 851478-28-9 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

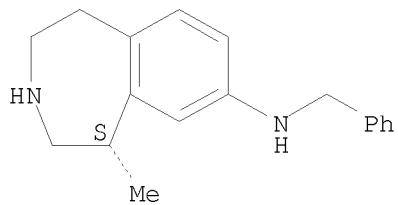


● HCl

RN 851544-34-8 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(phenylmethyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

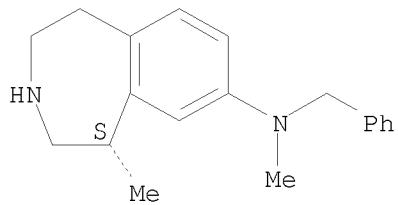


● HCl

RN 851544-39-3 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-N,5-dimethyl-N-(phenylmethyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

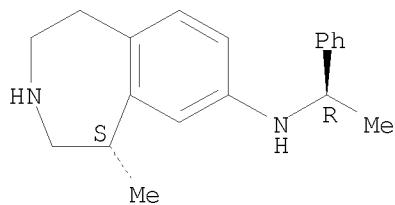


● HCl

RN 851544-41-7 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-[(1R)-1-phenylethyl]-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

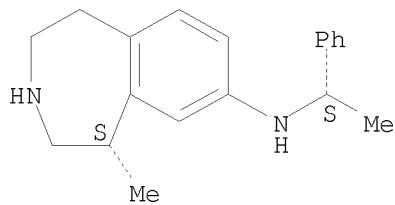


● HCl

RN 851544-44-0 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-[(1S)-1-phenylethyl]-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

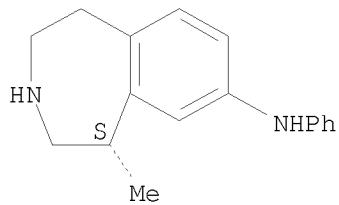


● HCl

RN 851544-47-3 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-phenyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

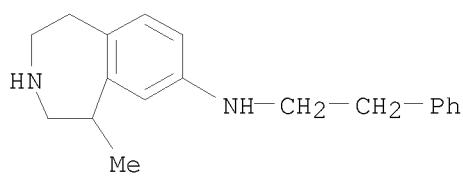
Absolute stereochemistry.



● HCl

RN 851544-49-5 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(2-phenylethyl)-, hydrochloride (1:1) (CA INDEX NAME)

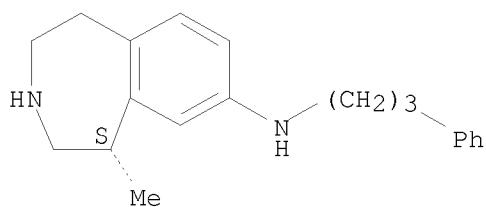


● HCl

RN 851544-51-9 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(3-phenylpropyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

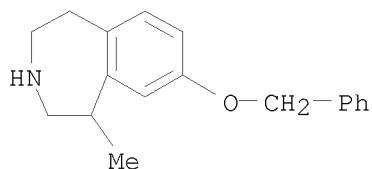
Absolute stereochemistry.



● HCl

RN 851544-53-1 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethoxy)-, hydrochloride (1:1) (CA INDEX NAME)

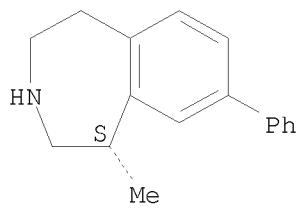


● HCl

RN 851544-60-0 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-phenyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

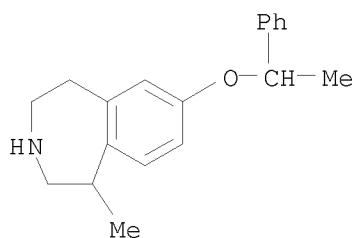
Absolute stereochemistry.



● HCl

RN 851544-64-4 CAPLUS

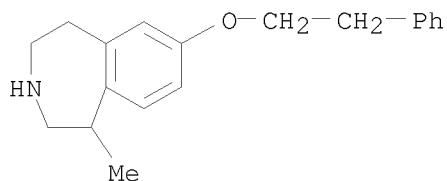
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(1-phenylethoxy)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851544-66-6 CAPLUS

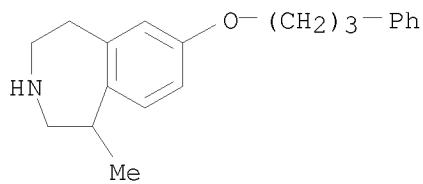
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(2-phenylethoxy)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851544-67-7 CAPLUS

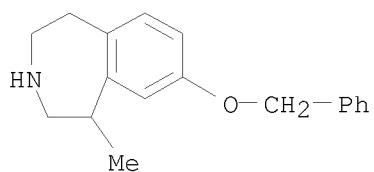
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(3-phenylpropoxy)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851544-68-8 CAPLUS

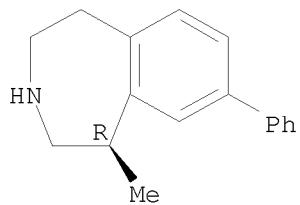
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethoxy)- (CA INDEX NAME)



RN 851544-73-5 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-phenyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

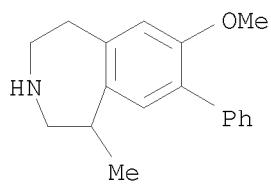
Absolute stereochemistry.



● HCl

RN 851544-75-7 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-phenyl-, hydrochloride (1:1) (CA INDEX NAME)

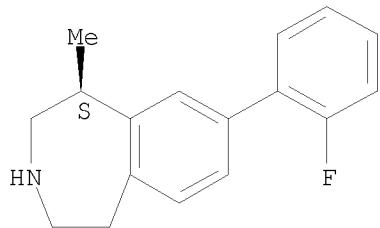


● HCl

RN 851544-77-9 CAPLUS

CN 1H-3-Benzazepine, 8-(2-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

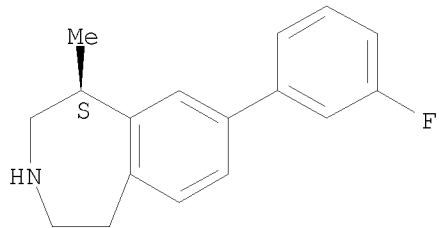


● HCl

RN 851544-78-0 CAPLUS

CN 1H-3-Benzazepine, 8-(3-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.



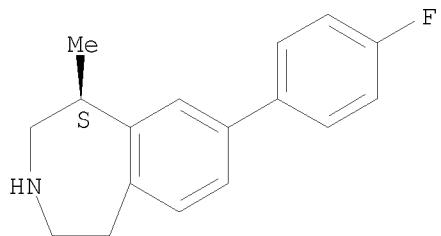
● HCl

RN 851544-79-1 CAPLUS

CN 1H-3-Benzazepine, 8-(4-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-,

hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

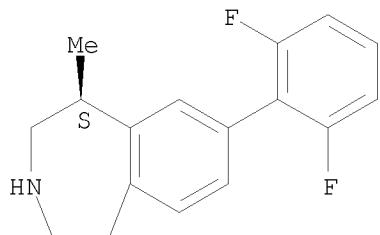


● HCl

RN 851544-80-4 CAPLUS

CN 1H-3-Benzazepine, 8-(2,6-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

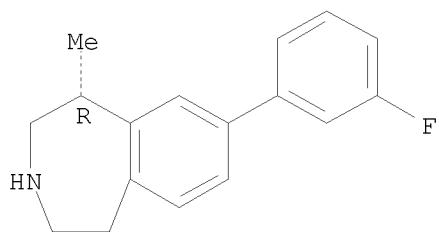


● HCl

RN 851544-81-5 CAPLUS

CN 1H-3-Benzazepine, 8-(3-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

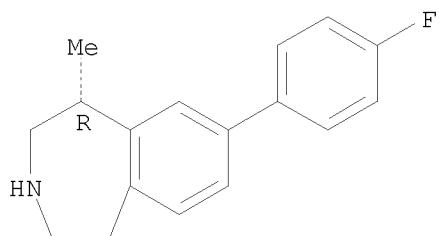


● HCl

RN 851544-82-6 CAPLUS

CN 1H-3-Benzazepine, 8-(4-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

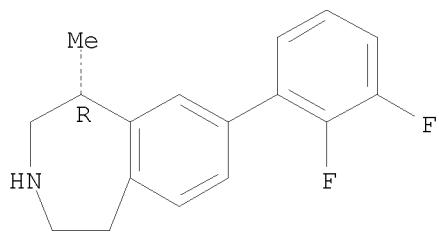


● HCl

RN 851544-83-7 CAPLUS

CN 1H-3-Benzazepine, 8-(2,3-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

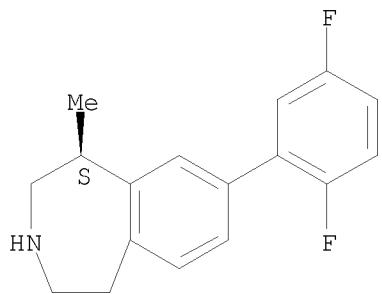
Absolute stereochemistry.



● HCl

RN 851544-84-8 CAPLUS
CN 1H-3-Benzazepine, 8-(2,5-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

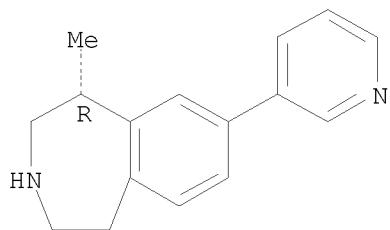
Absolute stereochemistry.



● HCl

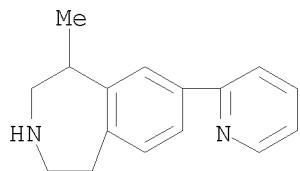
RN 851544-85-9 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(3-pyridinyl)-, hydrochloride (1:?), (1R)- (CA INDEX NAME)

Absolute stereochemistry.



●x HCl

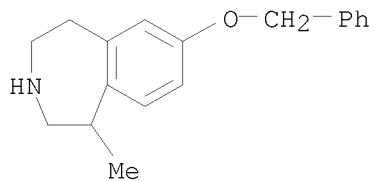
RN 851544-86-0 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(2-pyridinyl)-, hydrochloride (1:?) (CA INDEX NAME)



●x HCl

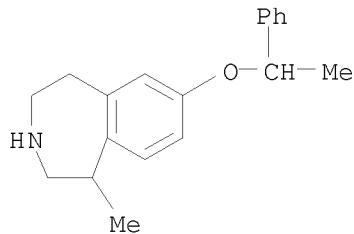
RN 851544-89-3 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)- (CA INDEX NAME)



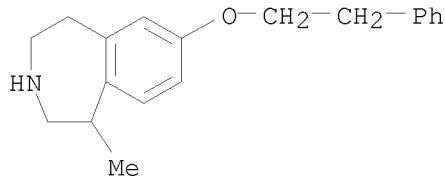
RN 851544-90-6 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(1-phenylethoxy)- (CA INDEX NAME)



RN 851544-91-7 CAPLUS

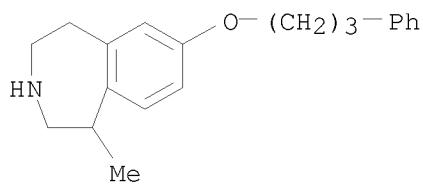
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(2-phenylethoxy)- (CA INDEX NAME)



RN 851544-92-8 CAPLUS

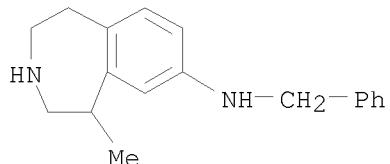
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(3-phenylpropoxy)- (CA INDEX NAME)

INDEX NAME)



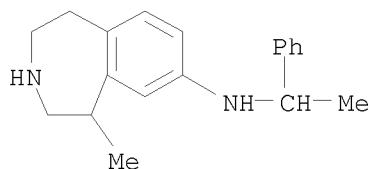
RN 851544-93-9 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(phenylmethyl)-
(CA INDEX NAME)



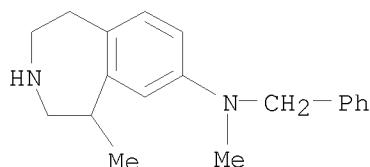
RN 851544-94-0 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(1-phenylethyl)-
(CA INDEX NAME)



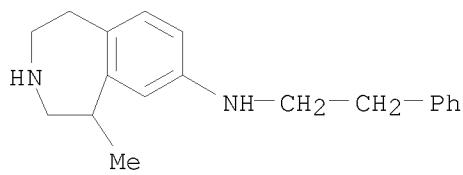
RN 851544-95-1 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-N,5-dimethyl-N-(phenylmethyl)-
(CA INDEX NAME)



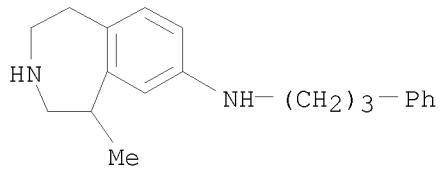
RN 851544-96-2 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(2-phenylethyl)-
(CA INDEX NAME)



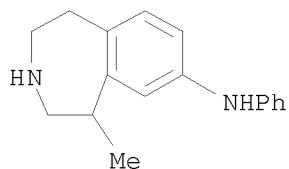
RN 851544-97-3 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(3-phenylpropyl)- (CA INDEX NAME)



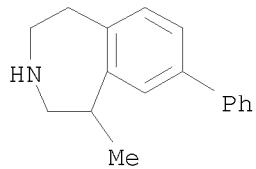
RN 851544-98-4 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-phenyl- (CA INDEX NAME)



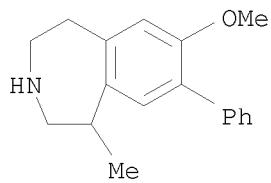
RN 851544-99-5 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-phenyl- (CA INDEX NAME)

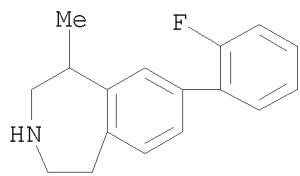


RN 851545-00-1 CAPLUS

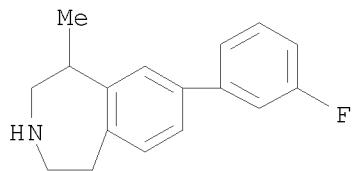
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-phenyl- (CA INDEX NAME)



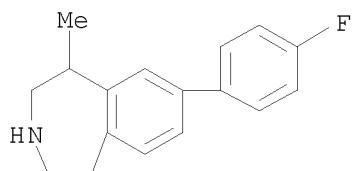
RN 851545-01-2 CAPLUS
CN 1H-3-Benzazepine, 8-(2-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



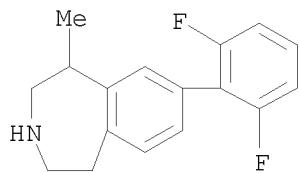
RN 851545-02-3 CAPLUS
CN 1H-3-Benzazepine, 8-(3-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



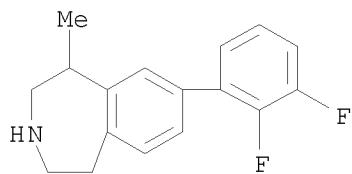
RN 851545-03-4 CAPLUS
CN 1H-3-Benzazepine, 8-(4-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



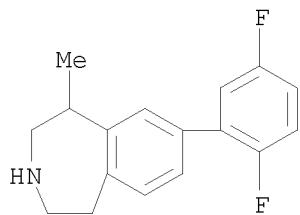
RN 851545-04-5 CAPLUS
CN 1H-3-Benzazepine, 8-(2,6-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



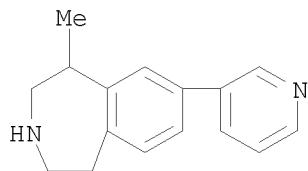
RN 851545-05-6 CAPLUS
CN 1H-3-Benzazepine, 8-(2,3-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



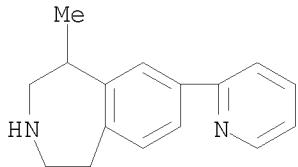
RN 851545-06-7 CAPLUS
CN 1H-3-Benzazepine, 8-(2,5-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 851545-07-8 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(3-pyridinyl)- (CA INDEX NAME)



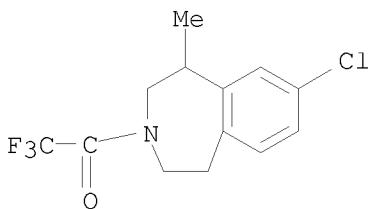
RN 851545-08-9 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(2-pyridinyl)- (CA INDEX NAME)



IT 616202-51-8P, N-Trifluoroacetyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-78-9P, (S)-N-Trifluoroacetyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-81-4P, (S)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 851477-54-8P, (S)-N-tert-Butoxycarbonyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-25-6P, (S)-N-Trifluoroacetyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol 851478-27-8P, (S)-N-Trifluoroacetyl-7-benzyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-37-1P 851544-62-2P 851544-71-3P, N-tert-Butoxycarbonyl-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol 851544-72-4P, N-tert-Butoxycarbonyl-8-benzyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-74-6P, (R)-N-tert-Butoxycarbonyl-1-methyl-8-phenyl-1,2,4,5-tetrahydrobenzo[d]azepine 851544-76-8P, N-Trifluoroacetyl-7-Methoxy-1-methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-87-1P, Trifluoromethanesulfonic acid N-tert-butoxycarbonyl-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-8-yl ester 851544-88-2P, N-tert-Butoxycarbonyl-1-methyl-8-pyridin-2-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of benzazepine derivs. and use as 5HT2C receptor agonists)

RN 616202-51-8 CAPLUS

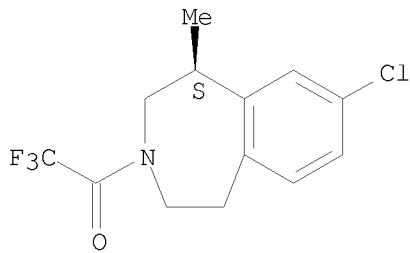
CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-78-9 CAPLUS

CN Ethanone, 1-[(1S)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

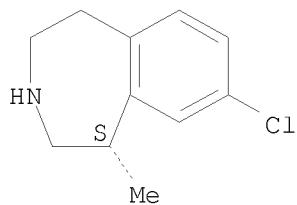
Absolute stereochemistry.



RN 616202-81-4 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

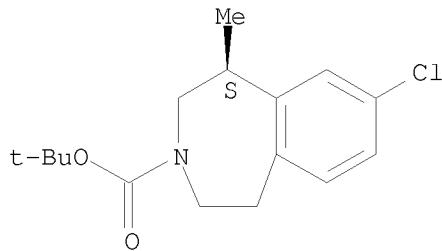
Absolute stereochemistry.



RN 851477-54-8 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 8-chloro-1,2,4,5-tetrahydro-1-methyl-, 1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

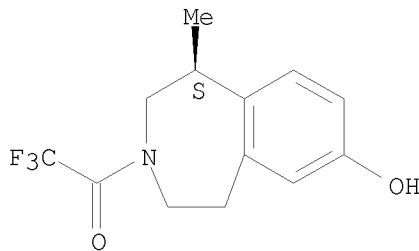
Absolute stereochemistry.



RN 851478-25-6 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

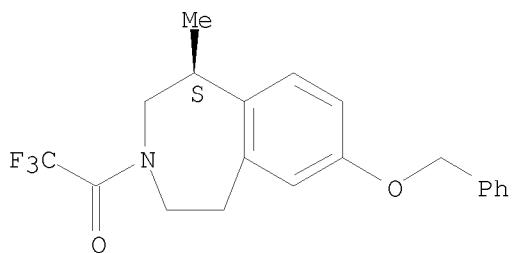
Absolute stereochemistry.



RN 851478-27-8 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

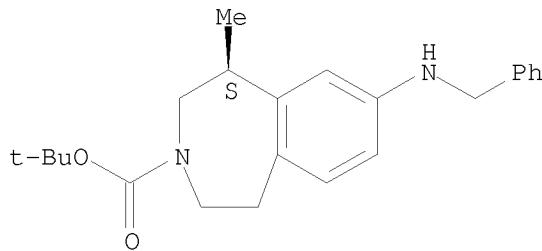
Absolute stereochemistry.



RN 851544-37-1 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-8-[(phenylmethyl)amino]-, 1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

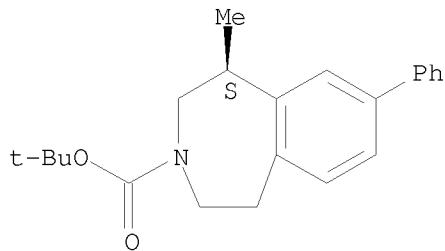
Absolute stereochemistry.



RN 851544-62-2 CAPLUS

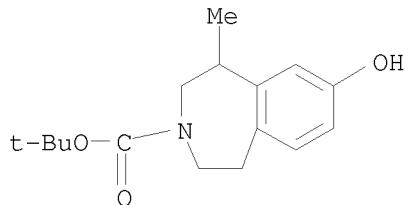
CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-8-phenyl-, 1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



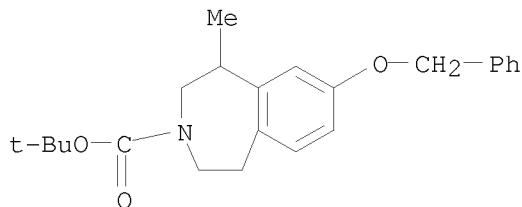
RN 851544-71-3 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-8-hydroxy-1-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 851544-72-4 CAPLUS

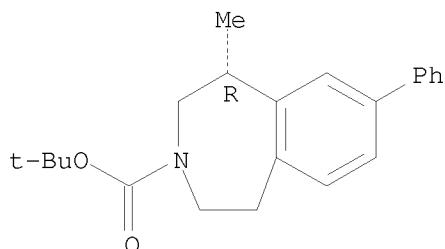
CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-8-(phenylmethoxy)-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 851544-74-6 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-8-phenyl-, 1,1-dimethylethyl ester, (1R)- (CA INDEX NAME)

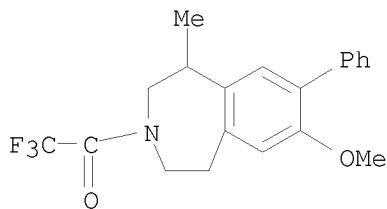
Absolute stereochemistry.



10/561,071

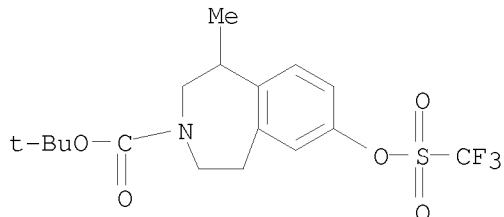
RN 851544-76-8 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-phenyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



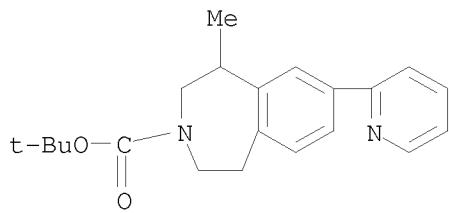
RN 851544-87-1 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-7-[[(trifluoromethyl)sulfonyl]oxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 851544-88-2 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-8-(2-pyridinyl)-, 1,1-dimethylethyl ester (CA INDEX NAME)



IT 616202-92-7 1019636-37-3

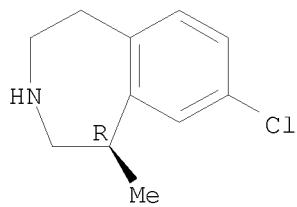
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of benzazepine derivs. and use as 5HT2C receptor agonists)

RN 616202-92-7 CAPLUS

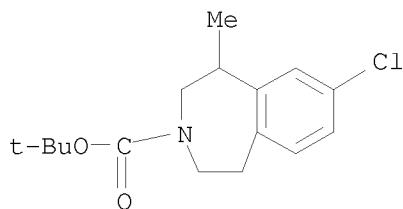
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 1019636-37-3 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 8-chloro-1,2,4,5-tetrahydro-1-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



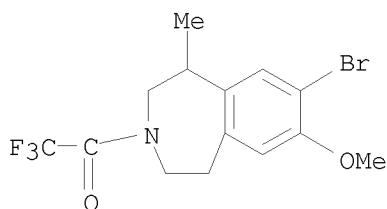
IT 616202-12-1, N-Trifluoroacetyl-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851477-82-2, (R)-N-tert-Butoxycarbonyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-26-7, (S)-N-Trifluoroacetyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine

RL: RCT (Reactant); RACT (Reactant or reagent)

(starting material; preparation of benzazepine derivs. and use as 5HT2C receptor agonists)

RN 616202-12-1 CAPLUS

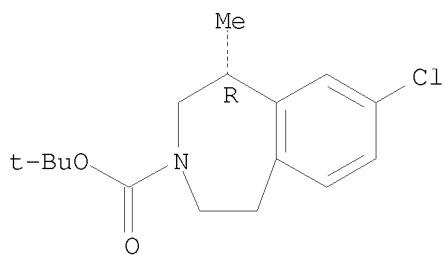
CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 851477-82-2 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 8-chloro-1,2,4,5-tetrahydro-1-methyl-, 1,1-dimethylethyl ester, (1R)- (CA INDEX NAME)

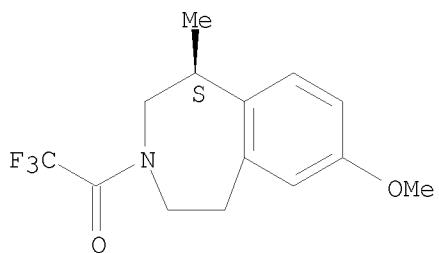
Absolute stereochemistry.



RN 851478-26-7 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

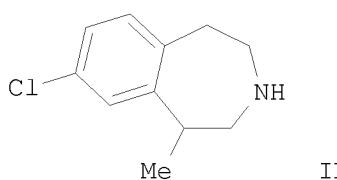
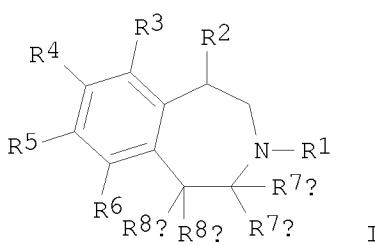
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THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

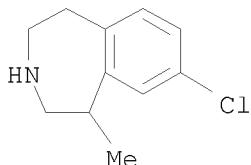
L19 ANSWER 12 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:182631 CAPLUS
 DOCUMENT NUMBER: 142:280072
 TITLE: Processes for preparing 3-benzazepines
 INVENTOR(S): Burbaum, Beverly W.; Gilson, Charles A., III; Aytes, Shelley; Estrada, Scott A.; Sengupta, Dipanjan; Smith, Brian; Rey, Max; Weigl, Ulrich
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 143 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005019179	A2	20050303	WO 2004-US19279	20040616
WO 2005019179	A3	20050804		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004267016	A1	20050303	AU 2004-267016	20040616
CA 2529401	A1	20050303	CA 2004-2529401	20040616
EP 1636191	A2	20060322	EP 2004-801895	20040616
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1805939	A	20060719	CN 2004-80016780	20040616
BR 2004011613	A	20060808	BR 2004-11613	20040616
JP 2007521269	T	20070802	JP 2006-517336	20040616
MX 2005PA13364	A	20060317	MX 2005-PA13364	20051208
IN 2006KN00112	A	20070316	IN 2006-KN112	20060113
US 20080045502	A1	20080221	US 2007-560953	20070426
PRIORITY APPLN. INFO.:			US 2003-479280P	P 20030617
			US 2003-512967P	P 20031021
			WO 2004-US19279	W 20040616

OTHER SOURCE(S): CASREACT 142:280072; MARPAT 142:280072
 GI

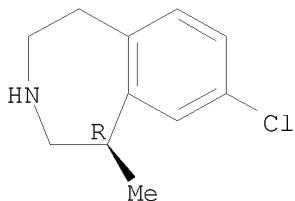


- AB A process for the preparation of 3-benzazepines I [R1 = H; R2 = alkyl, alkoxy, carboxy, etc.; R3-6 = H, halo, alk(en/yn)yl, etc.; R7a-7b = H, halo, alk(en/yn)yl, etc.; R8a-8b = H, halo, alk(en/yn)yl, etc.] is disclosed. For instance, 2-(4-chlorophenyl)ethylamine is acylated with 2-chloropropionyl chloride (CH₃CN, Et₃N). The resulting amide is cyclized in the presence of a metal hydride, e.g., AlCl₃ to the corresponding benzazepin-2-one. Reduction of this amide is accomplished with BH₃ in THF to give II. Alternative, but similar procedures are provided and there are examples of resolution of the final product by formation of the L-tartaric acid salts. I are useful as serotonin (5-HT) receptor agonists [no data] for the treatment of, e.g., central nervous system disorders such as obesity.
- IT 616201-80-0P, 8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: IMF (Industrial manufacture); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (processes for preparing 3-benzazepines as 5-HT receptor agonists)
- RN 616201-80-0 CAPLUS
- CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



- IT 846589-98-8P, (R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride
 RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (processes for preparing 3-benzazepines as 5-HT receptor agonists)
- RN 846589-98-8 CAPLUS
- CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.



● HCl

IT 847063-12-1P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (processes for preparing 3-benzazepines as 5-HT receptor agonists)

RN 847063-12-1 CAPLUS

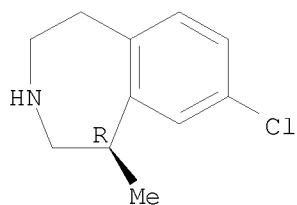
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-,
 (2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)

CM 1

CRN 616202-92-7

CMF C11 H14 Cl N

Absolute stereochemistry.

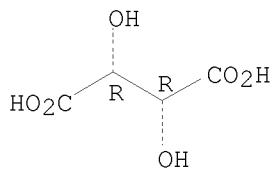


CM 2

CRN 87-69-4

CMF C4 H6 O6

Absolute stereochemistry.



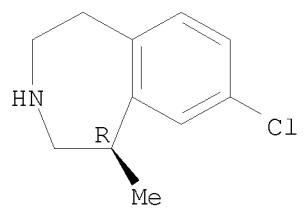
IT 616202-92-7, (R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine

RL: RCT (Reactant); RACT (Reactant or reagent)
 (processes for preparing 3-benzazepines as 5-HT receptor agonists)

RN 616202-92-7 CAPLUS

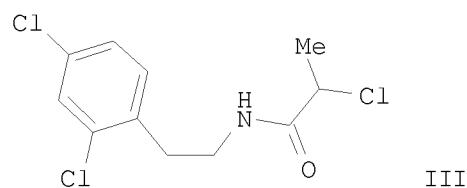
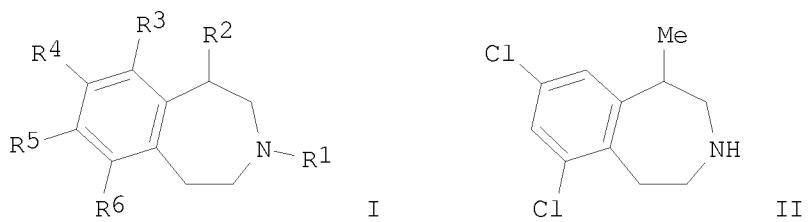
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



L19 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:29313 CAPLUS
 DOCUMENT NUMBER: 142:134482
 TITLE: A preparation of benzazepine derivatives, useful as 5HT2C receptor modulators
 INVENTOR(S): Smith, Brian; Gilson, Charles, III; Schultz, Jeffrey; Smith, Jeffrey
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 71 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005003096	A1	20050113	WO 2004-US19670	20040616
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004253888	A1	20050113	AU 2004-253888	20040616
CA 2529320	A1	20050113	CA 2004-2529320	20040616
EP 1633720	A1	20060315	EP 2004-776811	20040616
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004011470	A	20060711	BR 2004-11470	20040616
CN 1805938	A	20060719	CN 2004-80016773	20040616
JP 2007516941	T	20070628	JP 2006-517455	20040616
MX 2005PA13366	A	20060405	MX 2005-PA13366	20051208
US 20070142357	A1	20070621	US 2005-561071	20051216
IN 2006KN00117	A	20070622	IN 2006-KN117	20060113
PRIORITY APPLN. INFO.:			US 2003-479280P	P 20030617
			WO 2004-US19670	W 20040616
OTHER SOURCE(S): GI	MARPAT	142:134482		



AB The invention relates to a preparation of benzazepine derivs. of formula I [wherein: R1 is H or alkyl; R2 is alkyl, CH2O-alkyl, haloalkyl, or CH2OH; R3, R4, R5, and R6 are independently selected from H, alkyl, amino, CN, or nitro, etc.], useful as 5HT2C receptor modulators. For instance, benzazepine derivative II (5HT2C, IP accumulation assay, IC50 = 11.7 nM) was prepared via heterocyclization of 2-chloropropionamide derivative III and subsequent reduction

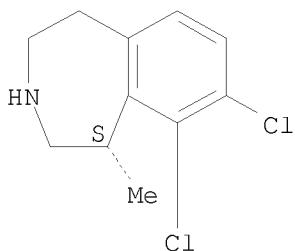
IT 824430-72-0P 824430-76-4P 824430-80-0P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of benzazepine derivs. useful as 5HT2C receptor modulators)

RN 824430-72-0 CAPPLUS

CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

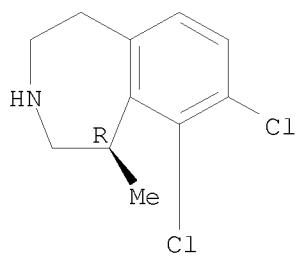
Absolute stereochemistry.



RN 824430-76-4 CAPPLUS

CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

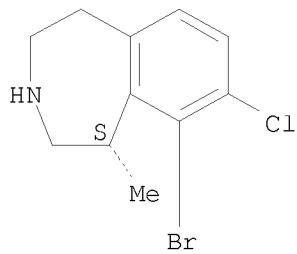
Absolute stereochemistry.



RN 824430-80-0 CAPLUS

CN 1H-3-Benzazepine, 9-bromo-8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)-
(CA INDEX NAME)

Absolute stereochemistry.



IT 824430-66-2P 824430-68-4P 824430-69-5P

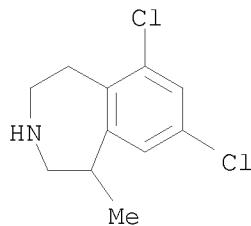
824430-71-9P 824430-74-2P 824430-82-2P

824430-83-3P 824430-84-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

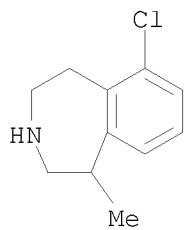
(preparation of benzazepine derivs. useful as 5HT2C receptor modulators)

RN 824430-66-2 CAPLUS

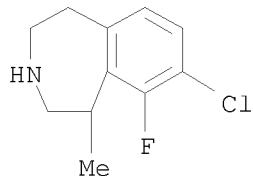
CN 1H-3-Benzazepine, 6,8-dichloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX
NAME)

RN 824430-68-4 CAPLUS

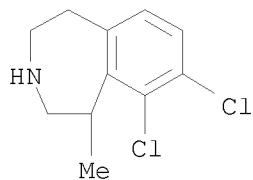
CN 1H-3-Benzazepine, 6-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 824430-69-5 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-9-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

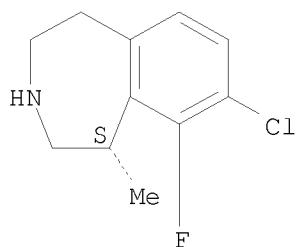


RN 824430-71-9 CAPLUS
CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



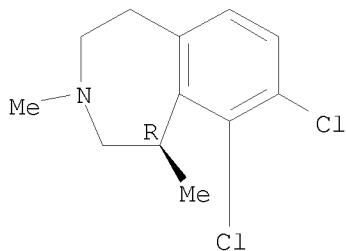
RN 824430-74-2 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-9-fluoro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



RN 824430-82-2 CAPLUS
CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1,3-dimethyl-, (1R)- (CA INDEX NAME)

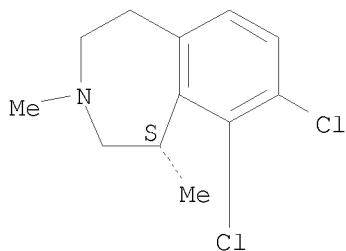
Absolute stereochemistry.



RN 824430-83-3 CAPLUS

CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1,3-dimethyl-, (1S)-
(CA INDEX NAME)

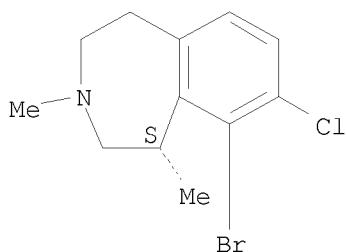
Absolute stereochemistry.



RN 824430-84-4 CAPLUS

CN 1H-3-Benzazepine, 9-bromo-8-chloro-2,3,4,5-tetrahydro-1,3-dimethyl-, (1S)-
(CA INDEX NAME)

Absolute stereochemistry.



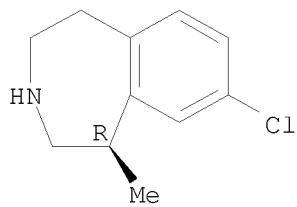
IT 616202-92-7P

RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of benzazepine derivs. useful as 5HT2C receptor modulators)

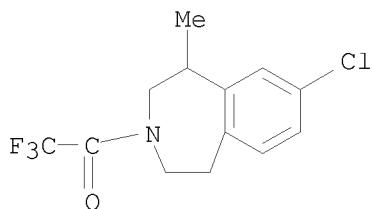
RN 616202-92-7 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.

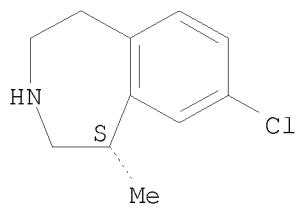


IT 616202-51-8 616202-81-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of benzazepine derivs. useful as 5HT2C receptor modulators)
 RN 616202-51-8 CAPLUS
 CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

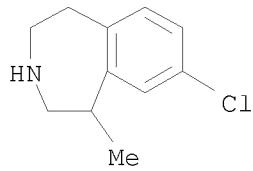


RN 616202-81-4 CAPLUS
 CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



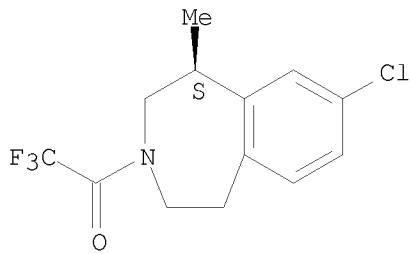
IT 616201-80-0P 616202-78-9P 616202-89-2P
 824430-70-8P 824430-73-1P 824430-75-3P
 824430-78-6P 824430-81-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of benzazepine derivs. useful as 5HT2C receptor modulators)
 RN 616201-80-0 CAPLUS
 CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 616202-78-9 CAPLUS

CN Ethanone, 1-[(1S)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

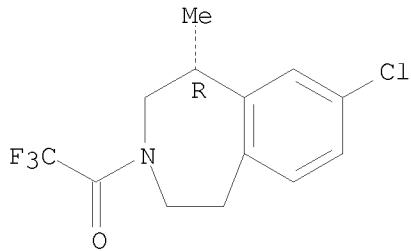
Absolute stereochemistry.



RN 616202-89-2 CAPLUS

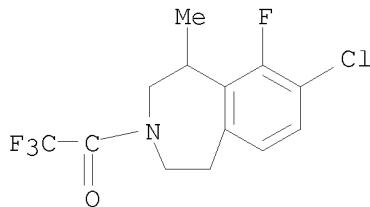
CN Ethanone, 1-[(1R)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.



RN 824430-70-8 CAPLUS

CN Ethanone, 1-(8-chloro-9-fluoro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

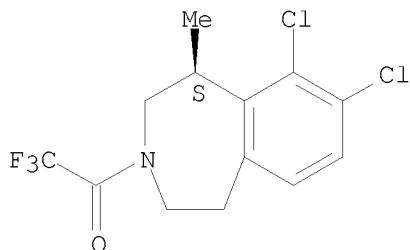


10/561,071

RN 824430-73-1 CAPLUS

CN Ethanone, 1-[(1S)-8,9-dichloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

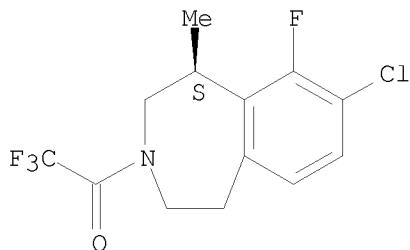
Absolute stereochemistry.



RN 824430-75-3 CAPLUS

CN Ethanone, 1-[(1S)-8-chloro-9-fluoro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.



RN 824430-78-6 CAPLUS

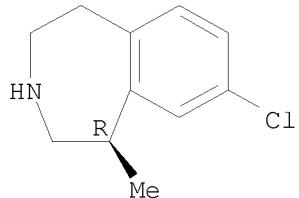
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 616202-92-7

CMF C11 H14 Cl N

Absolute stereochemistry.

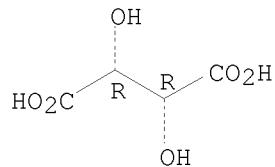


CM 2

10/561,071

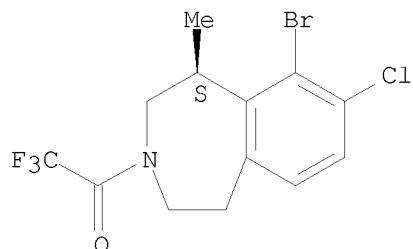
CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RN 824430-81-1 CAPLUS
CN Ethanone, 1-[(1S)-9-bromo-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

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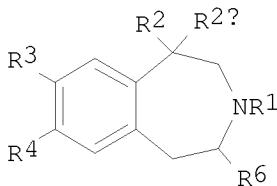
THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:836783 CAPLUS
 DOCUMENT NUMBER: 139:337897
 TITLE: Preparation of benzazepines as 5HT2C receptor modulators
 INVENTOR(S): Smith, Jeffrey; Smith, Brian
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 96 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003086306	A2	20031023	WO 2003-US11076	20030411
WO 2003086306	A3	20040219		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20030225057	A1	20031204	US 2003-410991	20030410
US 6953787	B2	20051011		
CA 2481723	A1	20031023	CA 2003-2481723	20030411
CA 2481723	C	20080219		
AU 2003221866	A1	20031027	AU 2003-221866	20030411
AU 2003221866	B2	20080710		
EP 1411881	A2	20040428	EP 2003-718323	20030411
EP 1411881	B1	20050504		
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BR 2003009303	A	20050426	BR 2003-9303	20030411
AT 294781	T	20050515	AT 2003-718323	20030411
CN 1646493	A	20050727	CN 2003-808272	20030411
EP 1557409	A1	20050727	EP 2005-2866	20030411
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JP 2005527579	T	20050915	JP 2003-583332	20030411
PT 1411881	T	20050930	PT 2003-718323	20030411
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TW 252105	B	20060401	TW 2003-92108353	20030411
NZ 535381	A	20060728	NZ 2003-535381	20030411
RU 2317982	C2	20080227	RU 2004-133068	20030411
US 20050020573	A1	20050127	US 2004-917979	20040813
HK 1064095	A1	20050916	HK 2004-106830	20040909
IN 2004KN01415	A	20060512	IN 2004-KN1415	20040923
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KR 812925	B1	20080311	KR 2004-716198	20041011
ZA 2004008506	A	20060628	ZA 2004-8506	20041020
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NO 323528	B1	20070604		
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IN 2007KN02412	A	20070824	IN 2007-KN2412	20070629
KR 2008009340	A	20080128	KR 2008-700551	20080109
PRIORITY APPLN. INFO.:				
		US 2002-372058P	P	20020412
		US 2002-405495P	P	20020823
		US 2002-434607P	P	20021218
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		EP 2003-718323	A3	20030411
		JP 2003-583332	A3	20030411
		WO 2003-US11076	W	20030411
		US 2004-917979	A1	20040813
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OTHER SOURCE(S): MARPAT 139:337897
GI



I

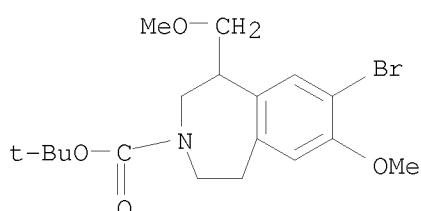
AB The present invention relates to novel compds. I [R1 = H, C1-8-alkyl; R2 = C1-8-alkyl, CH2O-(C1-8-alkyl), C(:O)O-(C1-8-alkyl), C(:O)NH(C1-8-alkyl), OH, CH2OH; R2a = H; R2R2a = CH2CH2; R3, R4 = H, halo, perhaloalkyl, CN, OR5, SR5, NHR5, N(R5)2, OH, (un)substituted aryl (up to 2 substituents selected from C1-8-alkyl, halo, perhaloalkyl, alkoxy), (un)substituted heteroaryl (up to 2 substituents selected from C1-8-alkyl, halo); R3C:CR4 = 5- or 6-membered O-containing heterocycle; R5 = C1-8-alkyl, C1-8-alkyl, aryl, heteroaryl, arylalkyl, heteroar; rylalkyl, perhaloalkyl, allyl; R6 = H, C1-8-alkyl; provided that: (A) if R1 = R3 = H and R2 = Me, then R4 ≠ thiazole; (B) if R6 ≠ H, then R3, R4 ≠ H; (C) if R1 = R2 = Me and R4 = H, then R3 ≠ NHR5, N(R5)2; (D) if R1 = R2 = Me and R4 = H, R3 ≠ imidazole; (E) if R1 = Me and R3 = OH, then R2 ≠ cyclopentyl, CH2-cyclohexyl, cyclopropylmethyl, cyclohexyl], or their pharmaceutically acceptable salts, solvates or hydrates, which act as 5HT2C receptor modulators. Thus, I (R1 = R2a = R6 = H, R2 = Me, R3 = Br, R4 = OMe) was prepared from 3-MeOC6H4CH2CH2NH2, via N-trifluoroacetylation, regioselective iodination, N-allylation, palladium-catalyzed cyclization, hydrogenation, regioselective bromination and deacetylation. These compds. are useful in pharmaceutical compns. whose use includes the treatment of obesity. Intracellular IP3 accumulation assay (IC50 = 4.2 nM) and inhibition of food intake in food-deprived rats (see charts) were used to test the bioactivity of I (R1 = R2a = R6 = H, R2 = Me, R3 = Br, R4 = OMe).

IT 616202-65-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and N-deprotection of; preparation of benzazepines as 5HT2C receptor modulators)

RN 616202-65-4 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid, 8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-(methoxymethyl)-, 1,1-dimethylethyl ester (CA INDEX NAME)



IT 616202-78-9P 616202-89-2P

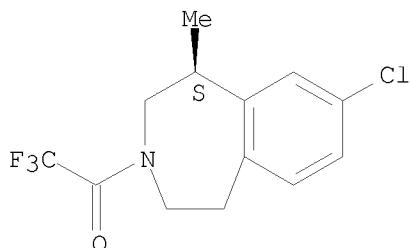
RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and N-methylation or deacetylation of; preparation of benzazepines

as 5HT2C receptor modulators)

RN 616202-78-9 CAPLUS

CN Ethanone, 1-[(1S)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

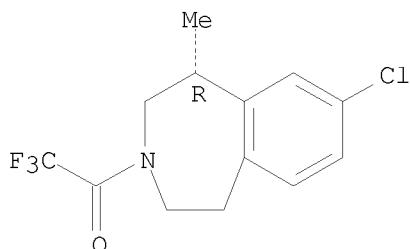
Absolute stereochemistry.



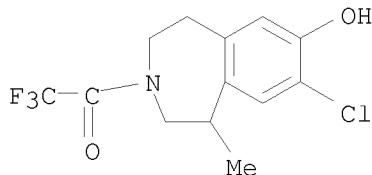
RN 616202-89-2 CAPLUS

CN Ethanone, 1-[(1R)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

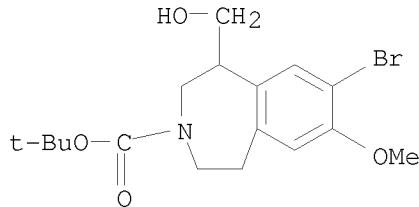
Absolute stereochemistry.



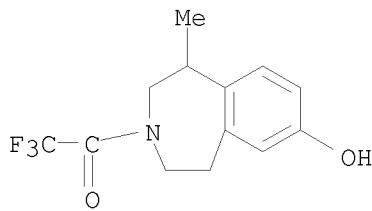
IT 616202-23-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and O-allylation of; preparation of benzazepines as 5HT2C
receptor
modulators)
RN 616202-23-4 CAPLUS
CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-
benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



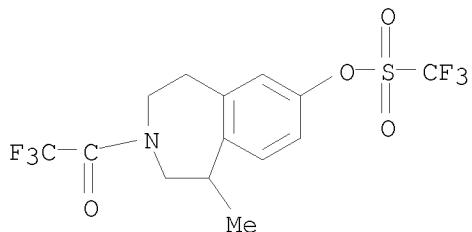
IT 616202-64-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and O-methylation of; preparation of benzazepines as 5HT2C
receptor
modulators)
RN 616202-64-3 CAPLUS
CN 3H-3-Benzazepine-3-carboxylic acid, 8-bromo-1,2,4,5-tetrahydro-1-
(hydroxymethyl)-7-methoxy-, 1,1-dimethylethyl ester (CA INDEX NAME)



IT 616202-52-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and O-triflation of; preparation of benzazepines as 5HT2C
receptor
modulators)
RN 616202-52-9 CAPLUS
CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-
benzazepin-3-yl)- (CA INDEX NAME)

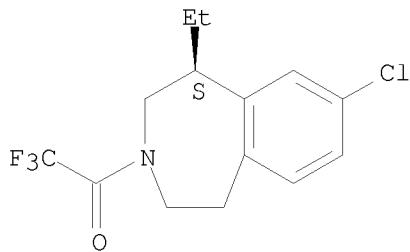


IT 616202-53-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and coupling reaction of; preparation of benzazepines as 5HT2C receptor modulators)
 RN 616202-53-0 CAPLUS
 CN Methanesulfonic acid, 1,1,1-trifluoro-, 2,3,4,5-tetrahydro-1-methyl-3-(2,2,2-trifluoroacetyl)-1H-3-benzazepin-7-yl ester (CA INDEX NAME)



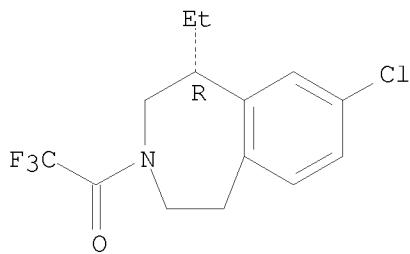
IT 616202-80-3P 616202-91-6P 616202-94-9P
 RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and deacetylation of; preparation of benzazepines as 5HT2C receptor modulators)
 RN 616202-80-3 CAPLUS
 CN Ethanone, 1-[(1S)-8-chloro-1-ethyl-1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.



RN 616202-91-6 CAPLUS
 CN Ethanone, 1-[(1R)-8-chloro-1-ethyl-1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

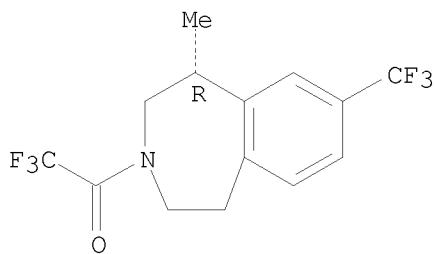
Absolute stereochemistry.



RN 616202-94-9 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1R)-1,2,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.



IT 616202-16-5P 616202-17-6P 616202-18-7P

616202-19-8P 616202-24-5P 616202-25-6P

616202-26-7P 616202-28-9P 616202-30-3P

616202-34-7P 616202-35-8P 616202-41-6P

616202-55-2P 616202-56-3P 616202-57-4P

616202-61-0P 616202-62-1P 616202-63-2P

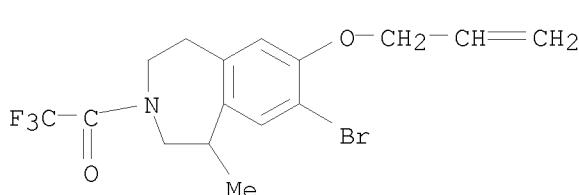
616202-68-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and deacetylation of; preparation of benzazepines as 5HT2C receptor modulators)

RN 616202-16-5 CAPLUS

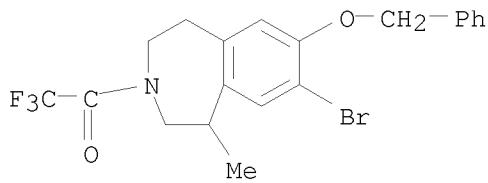
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RN 616202-17-6 CAPLUS

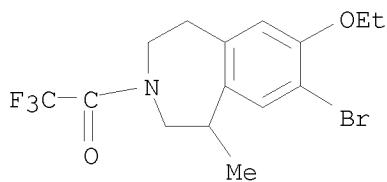
CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-3H-3-

benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



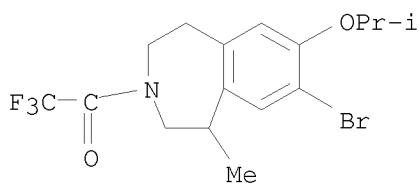
RN 616202-18-7 CAPLUS

CN Ethanone, 1-[8-bromo-7-ethoxy-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



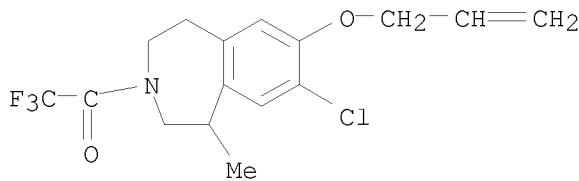
RN 616202-19-8 CAPLUS

CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-methyl-7-(1-methylethoxy)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



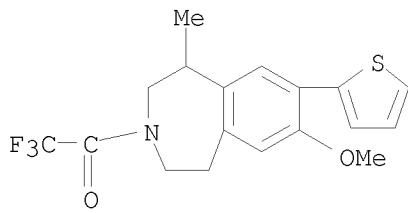
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CN Ethanone, 1-[8-chloro-1,2,4,5-tetrahydro-1-methyl-7-(2-propen-1-yloxy)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

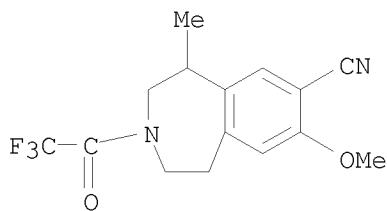


RN 616202-25-6 CAPLUS

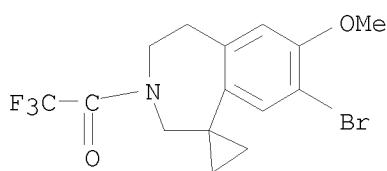
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-(2-thienyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



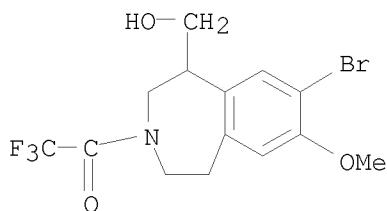
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 CN 1H-3-Benzazepine-7-carbonitrile, 2,3,4,5-tetrahydro-8-methoxy-5-methyl-3-(2,2,2-trifluoroacetyl)- (CA INDEX NAME)



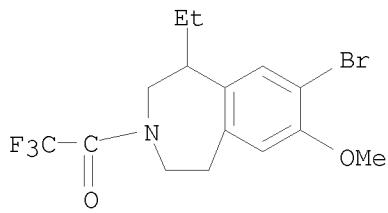
RN 616202-28-9 CAPLUS
 CN Ethanone, 1-(8-bromo-2,3,4,5-tetrahydro-7-methoxyspiro[1H-3-benzazepine-1,1'-cyclopropan]-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



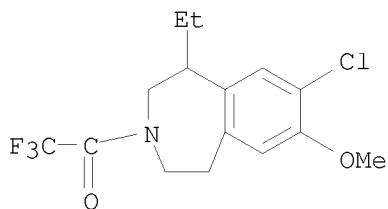
RN 616202-30-3 CAPLUS
 CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-(hydroxymethyl)-7-methoxy-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



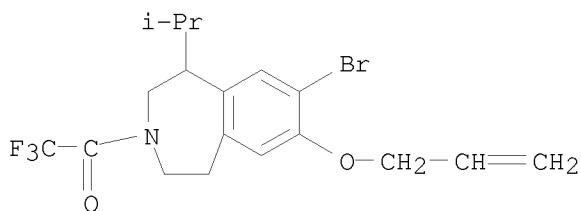
RN 616202-34-7 CAPLUS
 CN Ethanone, 1-(8-bromo-1-ethyl-1,2,4,5-tetrahydro-7-methoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



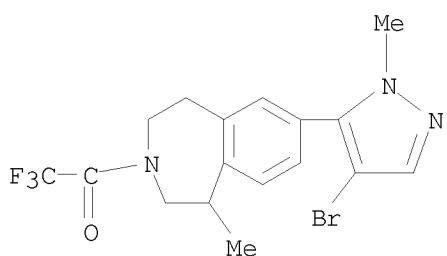
RN 616202-35-8 CAPLUS
 CN Ethanone, 1-(8-chloro-1-ethyl-1,2,4,5-tetrahydro-7-methoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



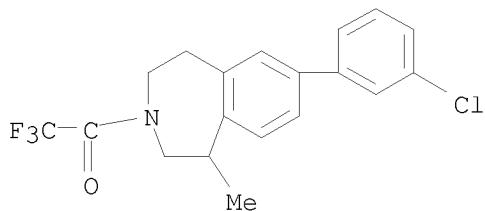
RN 616202-41-6 CAPLUS
 CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-1-(1-methylethyl)-7-(2-propen-1-yloxy)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-55-2 CAPLUS
 CN Ethanone, 1-[7-(4-bromo-1-methyl-1H-pyrazol-5-yl)-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

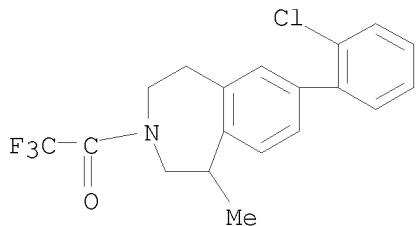


RN 616202-56-3 CAPLUS
 CN Ethanone, 1-[7-(3-chlorophenyl)-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



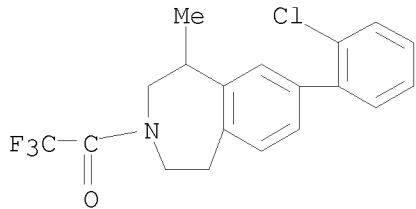
RN 616202-57-4 CAPLUS

CN Ethanone, 1-[7-(2-chlorophenyl)-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



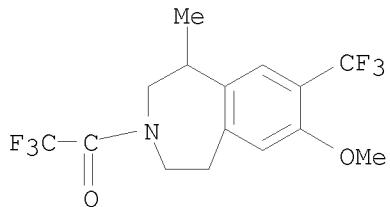
RN 616202-61-0 CAPLUS

CN Ethanone, 1-[8-(2-chlorophenyl)-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-62-1 CAPLUS

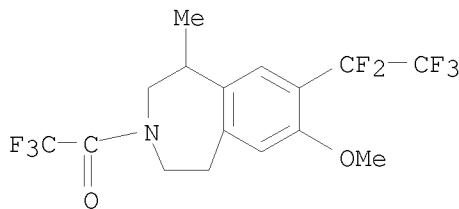
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-(trifluoromethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



RN 616202-63-2 CAPLUS

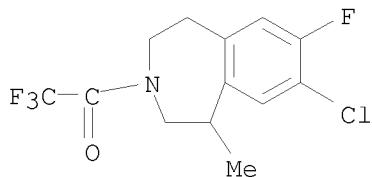
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-

(1,1,2,2,2-pentafluoroethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



RN 616202-68-7 CAPLUS

CN Ethanone, 1-(8-chloro-7-fluoro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



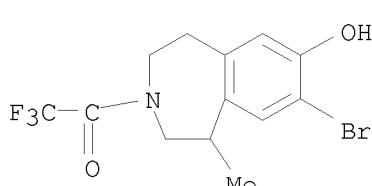
IT 616202-15-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and deacetylation or -O-alkylation of; preparation of benzazepines as 5HT2C receptor modulators)

RN 616202-15-4 CAPLUS

CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



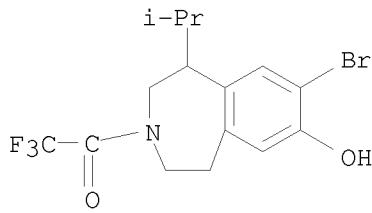
IT 616202-40-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

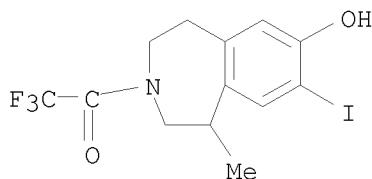
(preparation and deacetylation or O-alkylation of; preparation of benzazepines as 5HT2C receptor modulators)

RN 616202-40-5 CAPLUS

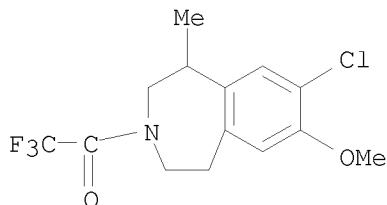
CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-7-hydroxy-1-(1-methylethyl)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



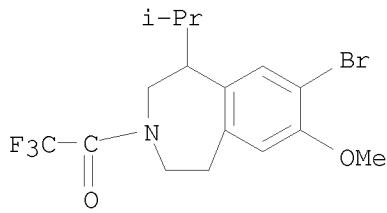
IT 616202-20-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and deacetylation or O-allylation of; preparation of benzazepines as 5HT2C receptor modulators)
 RN 616202-20-1 CAPLUS
 CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-hydroxy-8-iodo-1-methyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



IT 616202-13-2P 616202-39-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and deacetylation or O-demethylation of; preparation of benzazepines as 5HT2C receptor modulators)
 RN 616202-13-2 CAPLUS
 CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



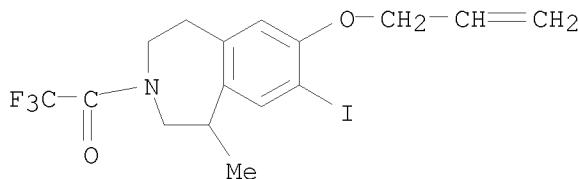
RN 616202-39-2 CAPLUS
 CN Ethanone, 1-[8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-(1-methylethyl)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)



IT 616202-21-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and deacetylation or palladium-catalyzed cyclization of; preparation of benzazepines as 5HT2C receptor modulators)

RN 616202-21-2 CAPLUS

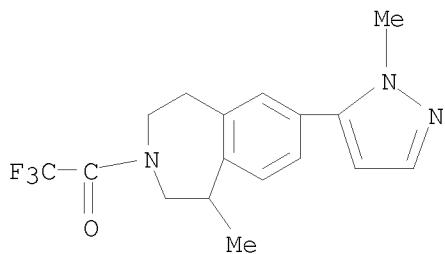
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-8-iodo-1-methyl-7-(2-propen-1-yloxy)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



IT 616202-54-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and deacetylation or regioselective bromination of; preparation of benzazepines as 5HT2C receptor modulators)

RN 616202-54-1 CAPLUS

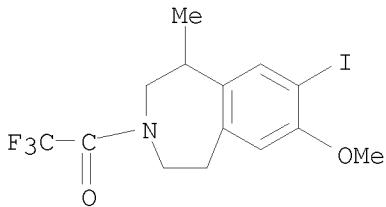
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-1-methyl-7-(1-methyl-1H-pyrazol-5-yl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



IT 616202-14-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and deacetylation, O-demethylation or coupling reactions of; preparation of benzazepines as 5HT2C receptor modulators)

RN 616202-14-3 CAPLUS

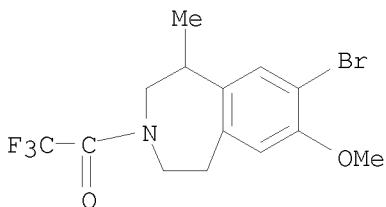
CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



IT 616202-12-1P, N-(Trifluoroacetyl)-8-bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deacetylation, O-demethylation, cyanation or coupling reaction of; preparation of benzazepines as 5HT2C receptor modulators)

RN 616202-12-1 CAPLUS

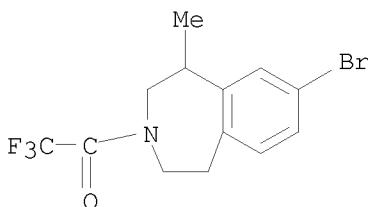
CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



IT 616202-60-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and palladium-catalyzed coupling reactions of; preparation of benzazepines as 5HT2C receptor modulators)

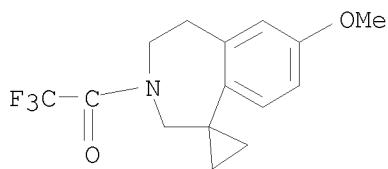
RN 616202-60-9 CAPLUS

CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

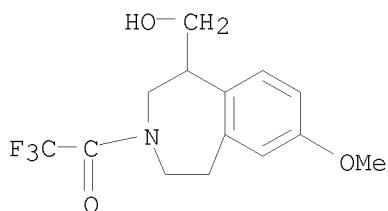


IT 616202-27-8P 616202-29-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and regioselective bromination of; preparation of benzazepines as

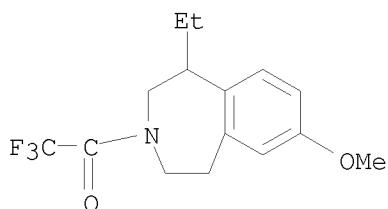
5HT2C receptor modulators)
RN 616202-27-8 CAPLUS
CN Ethanone, 2,2,2-trifluoro-1-(2,3,4,5-tetrahydro-7-methoxyspiro[1H-3-benzazepine-1,1'-cyclopropan]-3-yl)- (CA INDEX NAME)



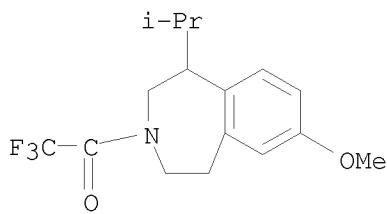
RN 616202-29-0 CAPLUS
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-1-(hydroxymethyl)-7-methoxy-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



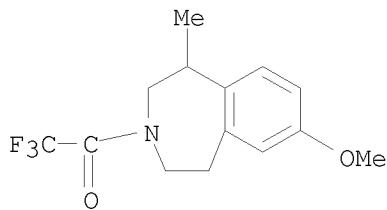
IT 616202-33-6P 616202-38-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and regioselective halogenation of; preparation of benzazepines as
5HT2C receptor modulators)
RN 616202-33-6 CAPLUS
CN Ethanone, 1-(1-ethyl-1,2,4,5-tetrahydro-7-methoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-38-1 CAPLUS
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7-methoxy-1-(1-methylethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

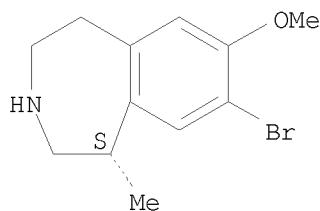


IT 616202-11-0P, N-(Trifluoroacetyl)-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and regioselective halogenation or O-demethylation of; preparation
 of benzazepines as 5HT2C receptor modulators)
 RN 616202-11-0 CAPLUS
 CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



IT 616202-75-6P 616202-76-7P 616202-77-8P
 616202-79-0P 616202-86-9P 616202-87-0P
 616202-88-1P 616202-90-5P
 RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of benzazepines as 5HT2C receptor modulators)
 RN 616202-75-6 CAPLUS
 CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1S)- (CA INDEX NAME)

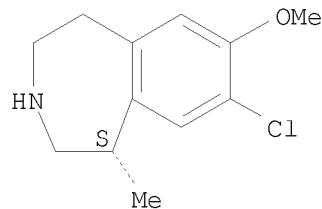
Absolute stereochemistry.



RN 616202-76-7 CAPLUS
 CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1S)- (CA INDEX NAME)

10/561,071

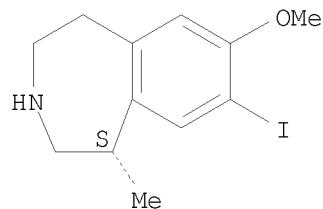
Absolute stereochemistry.



RN 616202-77-8 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl-, (1S)-
(CA INDEX NAME)

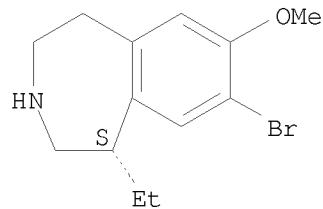
Absolute stereochemistry.



RN 616202-79-0 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-1-ethyl-2,3,4,5-tetrahydro-7-methoxy-, (1S)-
(CA INDEX NAME)

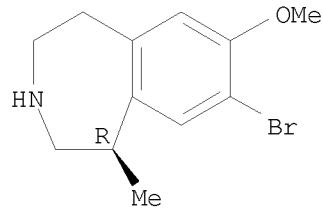
Absolute stereochemistry.



RN 616202-86-9 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1R)-
(CA INDEX NAME)

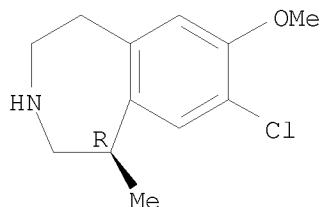
Absolute stereochemistry.



RN 616202-87-0 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1R)-
(CA INDEX NAME)

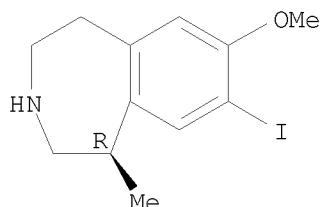
Absolute stereochemistry.



RN 616202-88-1 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl-, (1R)-
(CA INDEX NAME)

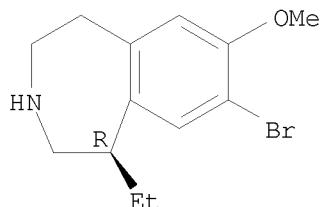
Absolute stereochemistry.



RN 616202-90-5 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-1-ethyl-2,3,4,5-tetrahydro-7-methoxy-, (1R)-
(CA INDEX NAME)

Absolute stereochemistry.



IT 616201-58-2P 616201-59-3P 616201-60-6P
616201-61-7P 616201-62-8P 616201-63-9P
616201-64-0P 616201-65-1P 616201-66-2P
616201-68-4P 616201-69-5P 616201-70-8P
616201-71-9P 616201-74-2P 616201-75-3P
616201-76-4P 616201-77-5P 616201-81-1P
616201-82-2P 616201-83-3P 616201-84-4P
616201-86-6P 616201-87-7P 616201-88-8P
616201-89-9P 616201-90-2P 616201-91-3P
616201-92-4P 616201-93-5P 616201-94-6P
616201-95-7P 616201-96-8P 616201-97-9P
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616202-01-8P 616202-02-9P 616202-03-0P

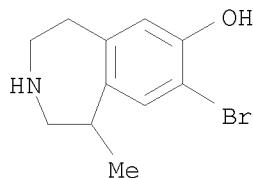
616202-04-1P 616202-05-2P 616202-06-3P
616202-07-4P 616202-08-5P 616202-69-8P
616202-70-1P 616202-71-2P 616202-72-3P
616202-73-4P 616202-74-5P 616202-81-4P
616202-82-5P 616202-84-7P 616202-85-8P
616202-92-7P 616202-93-8P 616202-95-0P
616202-96-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzazepines as 5HT2C receptor modulators)

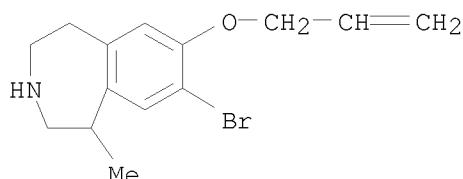
RN 616201-58-2 CAPLUS

CN 1H-3-Benzazepin-7-ol, 8-bromo-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



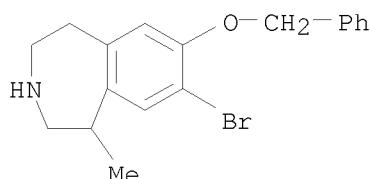
RN 616201-59-3 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl-7-(2-propen-1-yloxy)- (CA INDEX NAME)



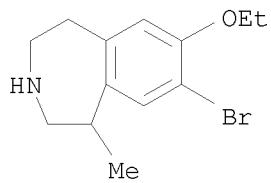
RN 616201-60-6 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)- (CA INDEX NAME)



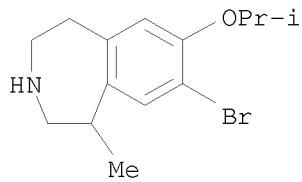
RN 616201-61-7 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-7-ethoxy-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



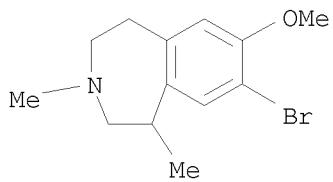
RN 616201-62-8 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl-7-(1-methylethoxy)- (CA INDEX NAME)



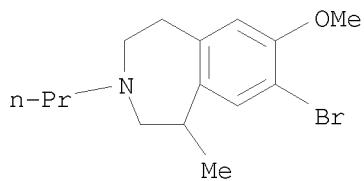
RN 616201-63-9 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1,3-dimethyl- (CA INDEX NAME)



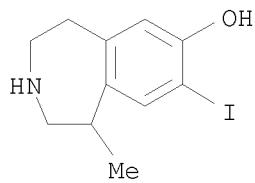
RN 616201-64-0 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-methyl-3-propyl- (CA INDEX NAME)

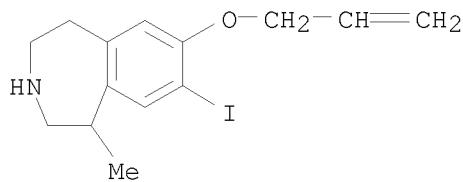


RN 616201-65-1 CAPLUS

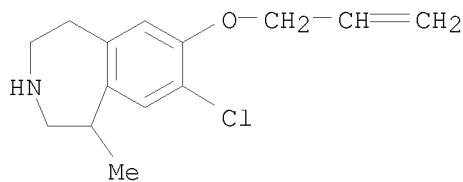
CN 1H-3-Benzazepin-7-ol, 2,3,4,5-tetrahydro-8-iodo-1-methyl- (CA INDEX NAME)



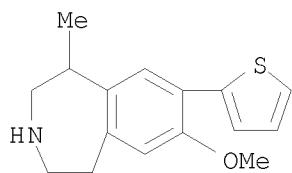
RN 616201-66-2 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-1-methyl-7-(2-propen-1-yloxy)-
(CA INDEX NAME)



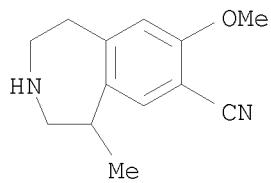
RN 616201-68-4 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-7-(2-propen-1-yloxy)-
(CA INDEX NAME)



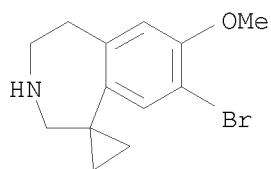
RN 616201-69-5 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-(2-thienyl)-
(CA INDEX NAME)



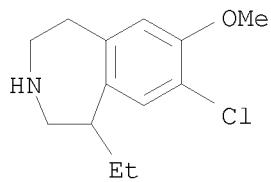
RN 616201-70-8 CAPLUS
CN 1H-3-Benzazepine-7-carbonitrile, 2,3,4,5-tetrahydro-8-methoxy-5-methyl-
(CA INDEX NAME)



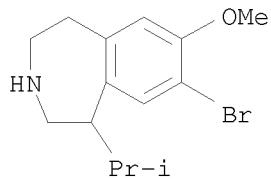
RN 616201-71-9 CAPLUS
CN Spiro[1H-3-benzazepine-1,1'-cyclopropane], 8-bromo-2,3,4,5-tetrahydro-7-methoxy- (CA INDEX NAME)



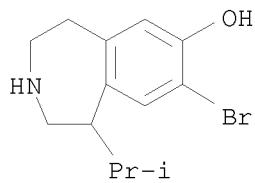
RN 616201-74-2 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro-7-methoxy- (CA INDEX NAME)



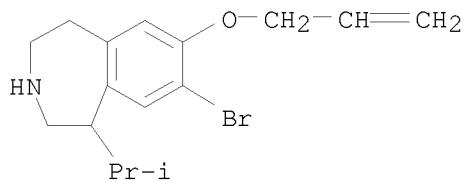
RN 616201-75-3 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-(1-methylethyl)- (CA INDEX NAME)



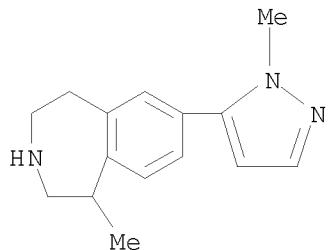
RN 616201-76-4 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-bromo-2,3,4,5-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



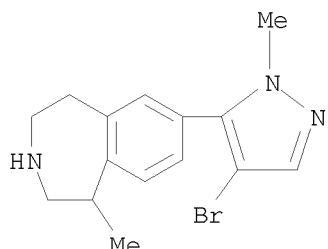
RN 616201-77-5 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-(1-methylethyl)-7-(2-propenylloxy)- (CA INDEX NAME)



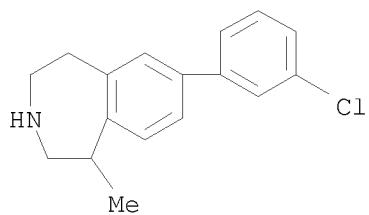
RN 616201-81-1 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(1-methyl-1H-pyrazol-5-yl)- (CA INDEX NAME)



RN 616201-82-2 CAPLUS
CN 1H-3-Benzazepine, 7-(4-bromo-1-methyl-1H-pyrazol-5-yl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

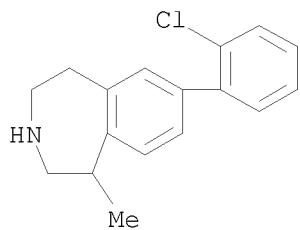


RN 616201-83-3 CAPLUS
CN 1H-3-Benzazepine, 7-(3-chlorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



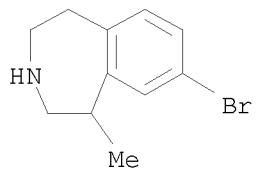
RN 616201-84-4 CAPLUS

CN 1H-3-Benzazepine, 7-(2-chlorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



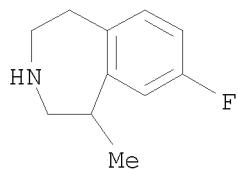
RN 616201-86-6 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



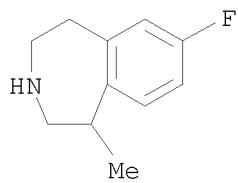
RN 616201-87-7 CAPLUS

CN 1H-3-Benzazepine, 8-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

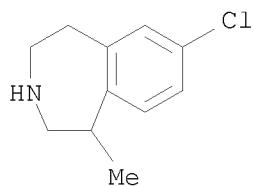


RN 616201-88-8 CAPLUS

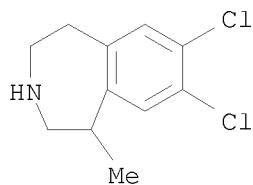
CN 1H-3-Benzazepine, 7-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



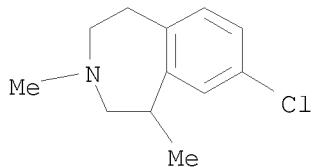
RN 616201-89-9 CAPLUS
CN 1H-3-Benzazepine, 7-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



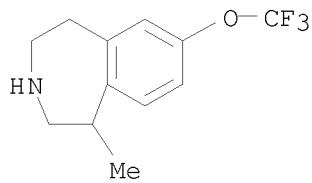
RN 616201-90-2 CAPLUS
CN 1H-3-Benzazepine, 7,8-dichloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



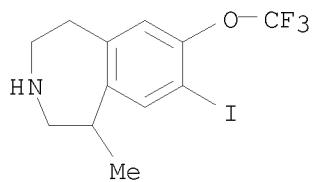
RN 616201-91-3 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1,3-dimethyl- (CA INDEX NAME)



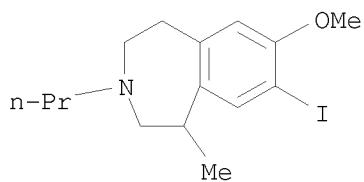
RN 616201-92-4 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(trifluoromethoxy)- (CA INDEX NAME)



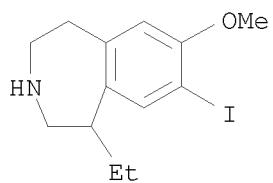
RN 616201-93-5 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-1-methyl-7-(trifluoromethoxy)- (CA INDEX NAME)



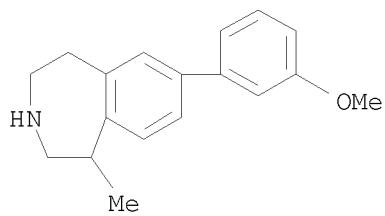
RN 616201-94-6 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl-3-propyl- (CA INDEX NAME)



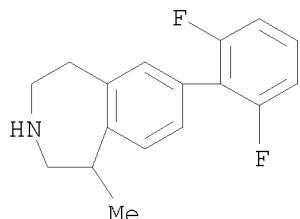
RN 616201-95-7 CAPLUS
CN 1H-3-Benzazepine, 1-ethyl-2,3,4,5-tetrahydro-8-iodo-7-methoxy- (CA INDEX NAME)



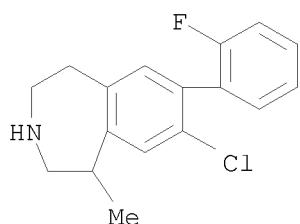
RN 616201-96-8 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-(3-methoxyphenyl)-1-methyl- (CA INDEX NAME)



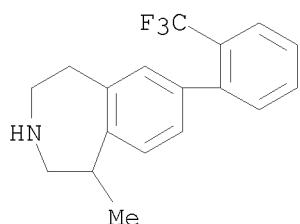
RN 616201-97-9 CAPLUS
CN 1H-3-Benzazepine, 7-(2,6-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 616201-98-0 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-7-(2-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

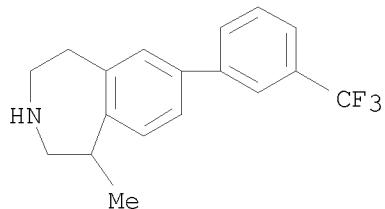


RN 616201-99-1 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-[2-(trifluoromethyl)phenyl]- (CA INDEX NAME)



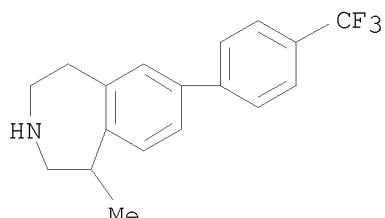
RN 616202-00-7 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



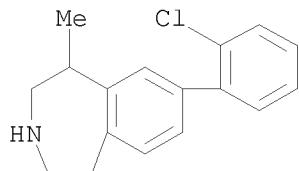
RN 616202-01-8 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-[4-(trifluoromethyl)phenyl]- (CA INDEX NAME)



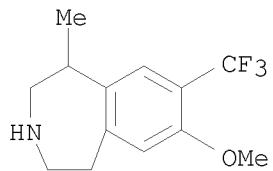
RN 616202-02-9 CAPLUS

CN 1H-3-Benzazepine, 8-(2-chlorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 616202-03-0 CAPLUS

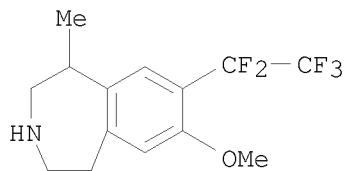
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-(trifluoromethyl)- (CA INDEX NAME)



RN 616202-04-1 CAPLUS

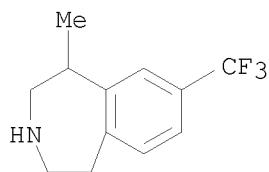
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-(1,1,2,2,2-

pentafluoroethyl)- (CA INDEX NAME)



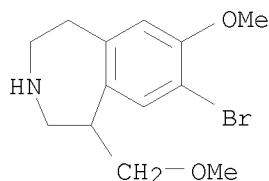
RN 616202-05-2 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)- (CA INDEX NAME)



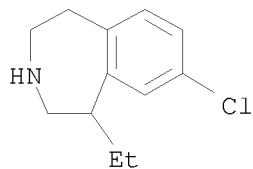
RN 616202-06-3 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-(methoxymethyl)- (CA INDEX NAME)



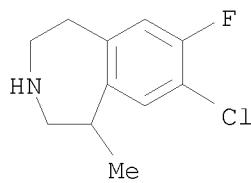
RN 616202-07-4 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro- (CA INDEX NAME)

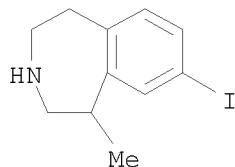


RN 616202-08-5 CAPLUS

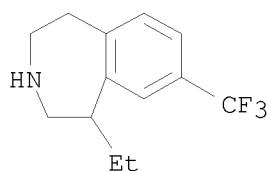
CN 1H-3-Benzazepine, 8-chloro-7-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



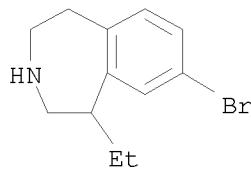
RN 616202-69-8 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-1-methyl- (CA INDEX NAME)



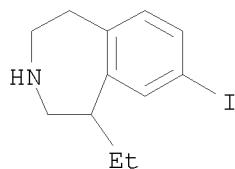
RN 616202-70-1 CAPLUS
CN 1H-3-Benzazepine, 1-ethyl-2,3,4,5-tetrahydro-8-(trifluoromethyl)- (CA INDEX NAME)



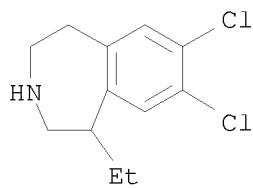
RN 616202-71-2 CAPLUS
CN 1H-3-Benzazepine, 8-bromo-1-ethyl-2,3,4,5-tetrahydro- (CA INDEX NAME)



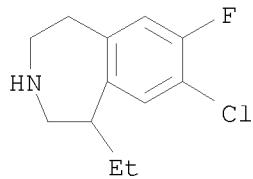
RN 616202-72-3 CAPLUS
CN 1H-3-Benzazepine, 1-ethyl-2,3,4,5-tetrahydro-8-iodo- (CA INDEX NAME)



RN 616202-73-4 CAPLUS
CN 1H-3-Benzazepine, 7,8-dichloro-1-ethyl-2,3,4,5-tetrahydro- (CA INDEX
NAME)

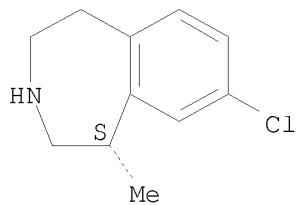


RN 616202-74-5 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-1-ethyl-7-fluoro-2,3,4,5-tetrahydro- (CA INDEX
NAME)



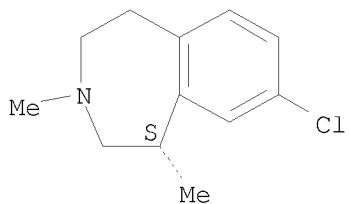
RN 616202-81-4 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX
NAME)

Absolute stereochemistry.



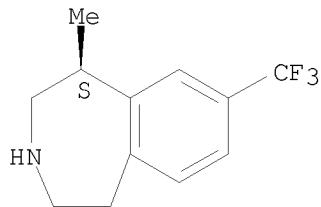
RN 616202-82-5 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1,3-dimethyl-, (1S)- (CA
INDEX NAME)

Absolute stereochemistry.



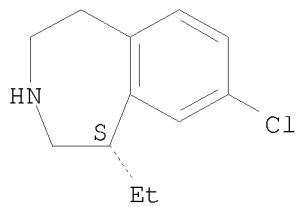
RN 616202-84-7 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-, (1S)-
(CA INDEX NAME)

Absolute stereochemistry.



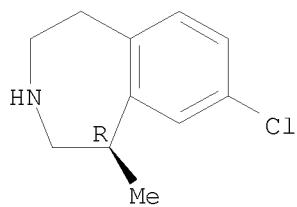
RN 616202-85-8 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



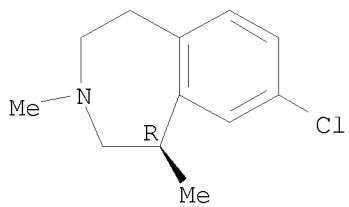
RN 616202-92-7 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 616202-93-8 CAPLUS
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1,3-dimethyl-, (1R)- (CA INDEX NAME)

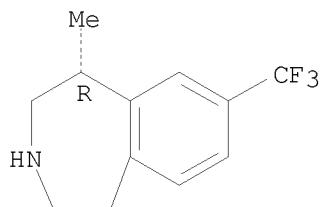
Absolute stereochemistry.



RN 616202-95-0 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-, (1R)- (CA INDEX NAME)

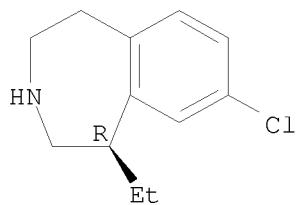
Absolute stereochemistry.



RN 616202-96-1 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



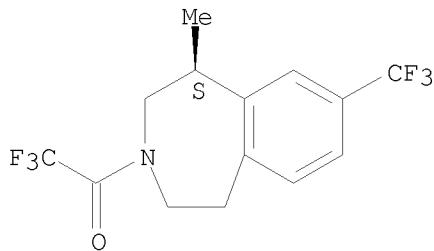
IT 616202-83-6P

RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of benzazepines as 5HT2C receptor modulators)

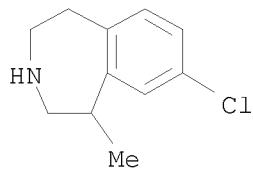
RN 616202-83-6 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

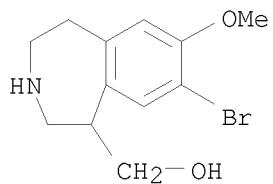
Absolute stereochemistry.



IT 616201-80-0P, (\pm)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation, N-alkylation and 5HT2C receptor modulating activity of; preparation
 of benzazepines as 5HT2C receptor modulators)
 RN 616201-80-0 CAPLUS
 CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

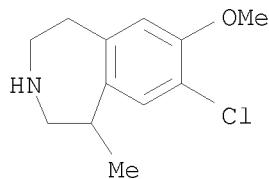


IT 616201-72-0P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation, N-protection and 5HT2C receptor modulating activity of; preparation
 of benzazepines as 5HT2C receptor modulators)
 RN 616201-72-0 CAPLUS
 CN 1H-3-Benzazepine-1-methanol, 8-bromo-2,3,4,5-tetrahydro-7-methoxy- (CA INDEX NAME)

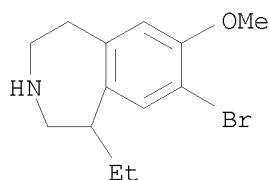


IT 616201-56-0P, (\pm)-8-Chloro-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-73-1P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

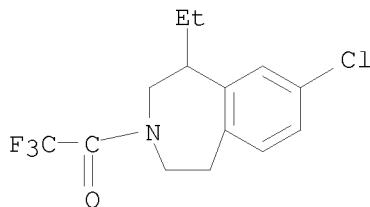
(Uses)
 (preparation, enantiomer resolution and 5HT2C receptor modulating activity
 of;
 preparation of benzazepines as 5HT2C receptor modulators)
 RN 616201-56-0 CAPLUS
 CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl- (CA
 INDEX NAME)



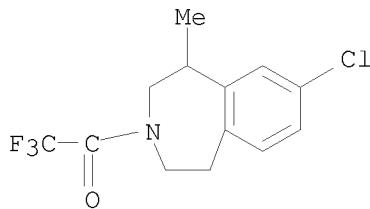
RN 616201-73-1 CAPLUS
 CN 1H-3-Benzazepine, 8-bromo-1-ethyl-2,3,4,5-tetrahydro-7-methoxy- (CA INDEX
 NAME)



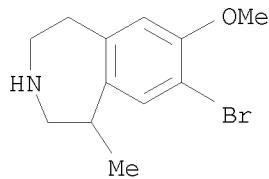
IT 616202-67-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation, enantiomer resolution and deacetylation of; preparation of
 benzazepines as 5HT2C receptor modulators)
 RN 616202-67-6 CAPLUS
 CN Ethanone, 1-(8-chloro-1-ethyl-1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl)-
 2,2,2-trifluoro- (CA INDEX NAME)



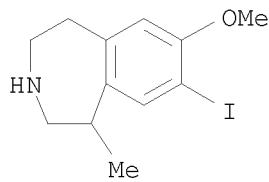
IT 616202-51-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation, enantiomer resolution and deacetylation or regioselective
 fluorination of; preparation of benzazepines as 5HT2C receptor modulators)
 RN 616202-51-8 CAPLUS
 CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-
 2,2,2-trifluoro- (CA INDEX NAME)



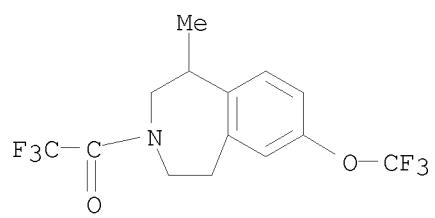
- IT 616201-55-9P, (\pm)-8-Bromo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616201-57-1P, (\pm)-8-Iodo-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation, reductive N-alkylation, enantiomer resolution and 5HT2C receptor modulating activity of; preparation of benzazepines as 5HT2C receptor modulators)
- RN 616201-55-9 CAPLUS
- CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-7-methoxy-1-methyl- (CA INDEX NAME)



- RN 616201-57-1 CAPLUS
- CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-iodo-7-methoxy-1-methyl- (CA INDEX NAME)



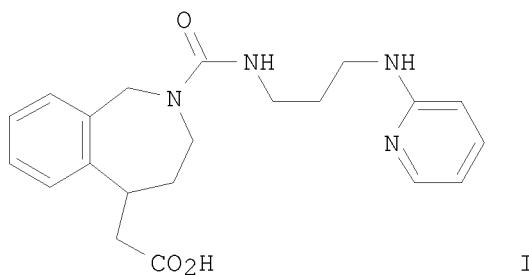
- IT 616202-59-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (regioselective iodination and N-deacetylation of; preparation of benzazepines as 5HT2C receptor modulators)
- RN 616202-59-6 CAPLUS
- CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-1-methyl-7-(trifluoromethoxy)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



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 ACCESSION NUMBER: 2001:247316 CAPLUS
 DOCUMENT NUMBER: 134:280722
 TITLE: Preparation of fused cycloheptane and fused azacycloheptane compounds for treating integrin receptors mediated diseases
 INVENTOR(S): Tasker, Andrew; Rutledge, Melvin C.; Liu, Longbin; Han, Nianhe; Comingues, Celia; Grenazer-Laber, Ellen; Chen, Zhidon; Moreno, Ofir A.
 PATENT ASSIGNEE(S): Amgen, Inc., USA
 SOURCE: PCT Int. Appl., 262 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001023357	A2	20010405	WO 2000-US26537	20000927
WO 2001023357	A3	20020124		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, BN, YU, ZA, AW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6514964	B1	20030204	US 2000-671025	20000926
CA 2386799	A1	20010405	CA 2000-2386799	20000927
CA 2386799	C	20070417		
AU 2000077220	A	20010430	AU 2000-77220	20000927
AU 769228	B2	20040122		
EP 1216230	A2	20020626	EP 2000-966950	20000927
EP 1216230	B1	20080423		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2004502635	T	20040129	JP 2001-526511	20000927
AT 393147	T	20080515	AT 2000-966950	20000927
MX 2002PA03120	A	20020930	MX 2002-PA3120	20020325
PRIORITY APPLN. INFO.:			US 1999-156174P	P 19990927
			US 2000-671025	A 20000926
			WO 2000-US26537	W 20000927

OTHER SOURCE(S): MARPAT 134:280722
 GI



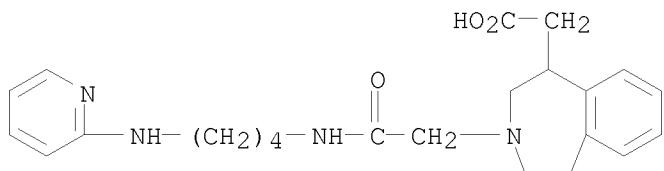
AB The title compds. EB(Alk)pQ(Alk)qAG [p, q = 0-1; Alk = alkyl; A, Q = a bond, S, O, etc.; B = a bond, O, aryl, etc.; E = H, alkyl, aryl, etc.; G = benzo[e]azepin-5-yl, benzo[d]imidazolo[1,2-a]azepin-5-yl, etc.] that are effective in the prophylaxis and treatment of diseases, such as integrin receptors mediated diseases, in particular, diseases or conditions mediated by integrin receptors, such as $\alpha v\beta 3$, $\alpha v\beta 5$, $\alpha v\beta 6$ and the like, were prepared E.g., a multi-step synthesis of I which showed IC₅₀ of $\leq 30 \mu\text{M}$ in the HUVEC proliferation assay and/or HUVEC adhesion assay was given.

IT 332879-23-9P 332879-25-1P 332879-26-2P
 332879-27-3P 332879-29-5P 332879-64-8P
 332879-65-9P 332879-66-0P 332880-12-3P
 332880-14-5P 332880-16-7P 332880-18-9P
 332880-21-4P 332880-32-7P 332880-34-9P
 332880-36-1P 332880-51-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of fused cycloheptane and fused azacycloheptane compds. for treating integrin receptors mediated diseases)

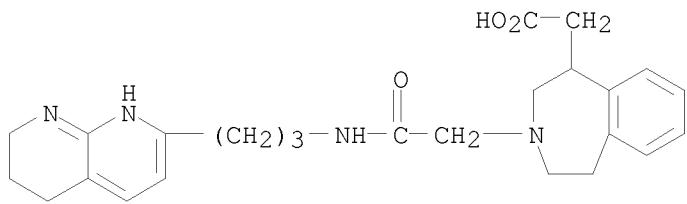
RN 332879-23-9 CAPLUS

CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[2-oxo-2-[(4-(2-pyridinylamino)butyl)amino]ethyl]- (CA INDEX NAME)



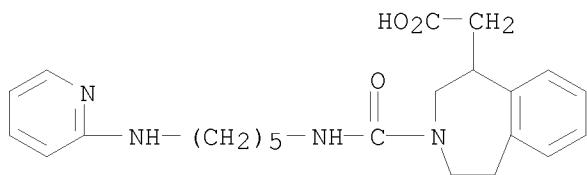
RN 332879-25-1 CAPLUS

CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[2-oxo-2-[(3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl)amino]ethyl]- (CA INDEX NAME)



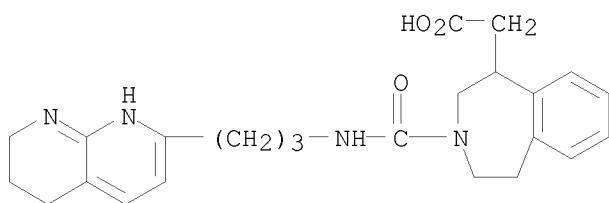
RN 332879-26-2 CAPLUS

CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[[(5-(2-pyridinylamino)pentyl]amino]carbonyl]- (CA INDEX NAME)



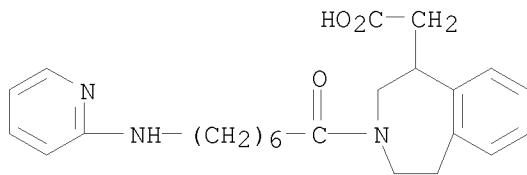
RN 332879-27-3 CAPLUS

CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[[(3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl]amino]carbonyl]- (CA INDEX NAME)



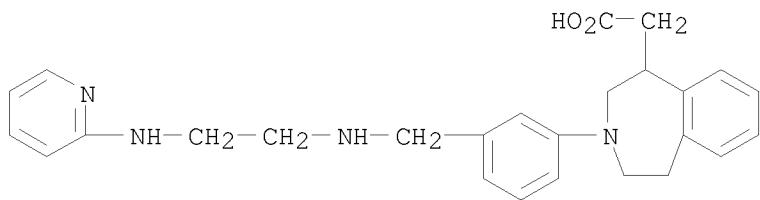
RN 332879-29-5 CAPLUS

CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[1-oxo-7-(2-pyridinylamino)heptyl]- (CA INDEX NAME)

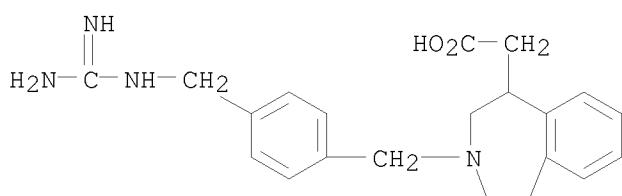


RN 332879-64-8 CAPLUS

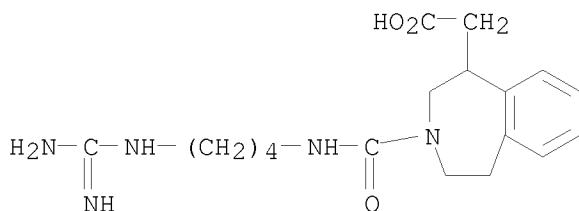
CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[3-[(2-(2-pyridinylamino)ethyl]amino]methyl]phenyl]- (CA INDEX NAME)



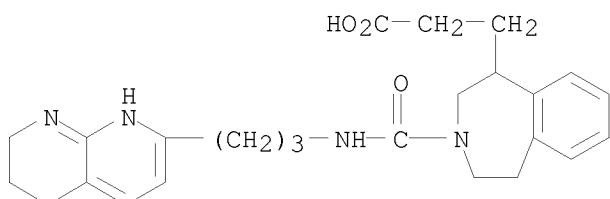
RN 332879-65-9 CAPLUS
CN 1H-3-Benzazepine-1-acetic acid, 3-[4-[(aminoiminomethyl)amino]methyl]phenylmethyl]-2,3,4,5-tetrahydro- (CA INDEX NAME)



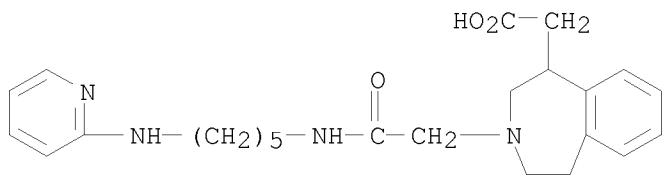
RN 332879-66-0 CAPLUS
CN 1H-3-Benzazepine-1-acetic acid, 3-[4-[(aminoiminomethyl)amino]butyl]amino]carbonyl]-2,3,4,5-tetrahydro- (CA INDEX NAME)



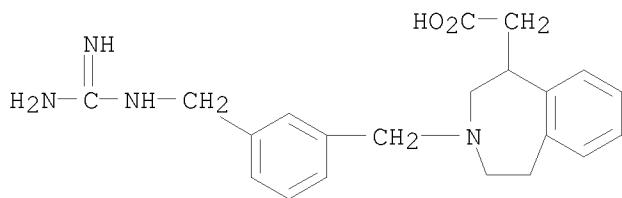
RN 332880-12-3 CAPLUS
CN 1H-3-Benzazepine-1-propanoic acid, 2,3,4,5-tetrahydro-3-[[3-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)propyl]amino]carbonyl]- (CA INDEX NAME)



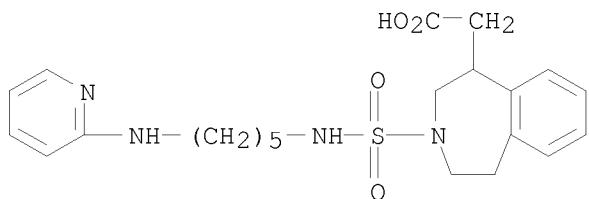
RN 332880-14-5 CAPLUS
CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[2-oxo-2-[5-(2-pyridinylamino)pentyl]amino]ethyl]- (CA INDEX NAME)



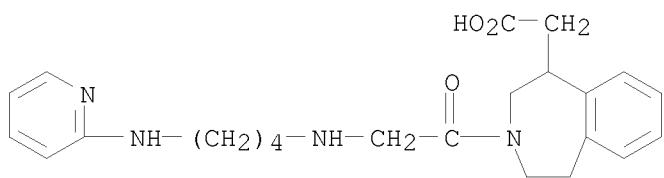
RN 332880-16-7 CAPLUS
 CN 1H-3-Benzazepine-1-acetic acid, 3-[3-[(3-(aminomethyl)amino)methyl]phenyl]-2,3,4,5-tetrahydro- (CA INDEX NAME)



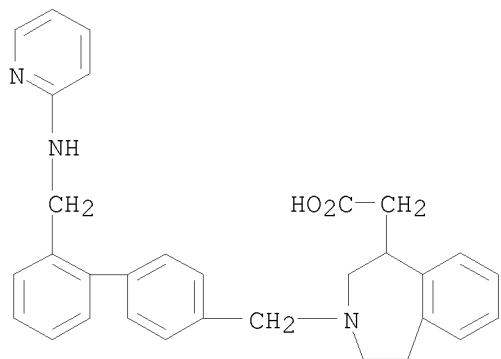
RN 332880-18-9 CAPLUS
 CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[[5-(2-pyridinylamino)pentyl]amino]sulfonyl- (CA INDEX NAME)



RN 332880-21-4 CAPLUS
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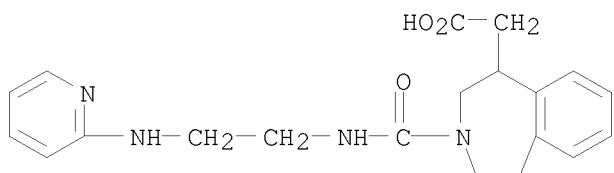


RN 332880-32-7 CAPLUS
 CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[2'-(2-pyridinylamino)methyl][1,1'-biphenyl]-4-ylmethyl- (CA INDEX NAME)



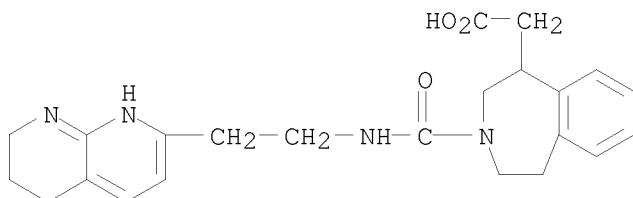
RN 332880-34-9 CAPLUS

CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[[(2-(2-pyridinylamino)ethyl]amino]carbonyl]- (CA INDEX NAME)



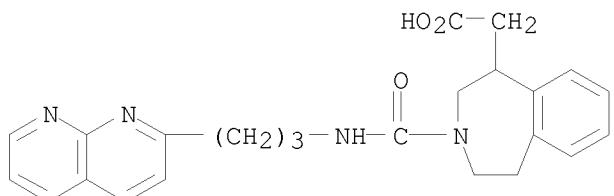
RN 332880-36-1 CAPLUS

CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[[(2-(5,6,7,8-tetrahydro-1,8-naphthyridin-2-yl)ethyl]amino]carbonyl]- (CA INDEX NAME)

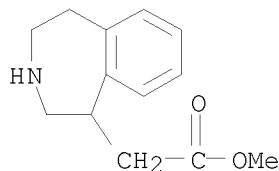


RN 332880-51-0 CAPLUS

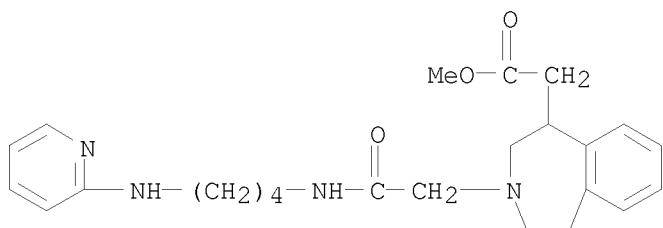
CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[[(3-(1,8-naphthyridin-2-yl)propyl]amino]carbonyl]- (CA INDEX NAME)



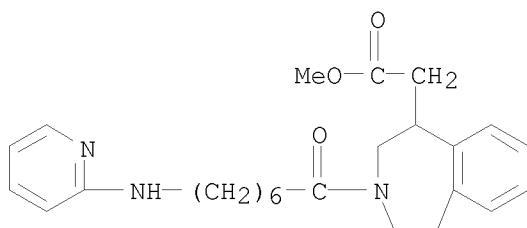
IT 332879-22-8P 332881-70-6P 332881-73-9P
 332882-76-5P 332882-78-7P 332882-80-1P
 332882-85-6P 332882-87-8P 332911-01-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of fused cycloheptane and fused azacycloheptane compds. for treating integrin receptors mediated diseases)
 RN 332879-22-8 CAPLUS
 CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-, methyl ester (CA INDEX NAME)



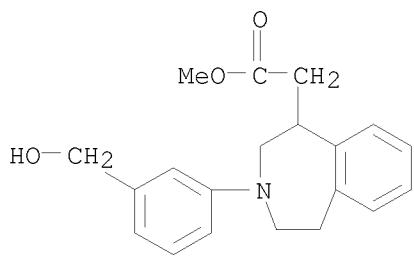
RN 332881-70-6 CAPLUS
 CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[2-oxo-2-[4-(2-pyridinylamino)butyl]amino]ethyl-, methyl ester (CA INDEX NAME)



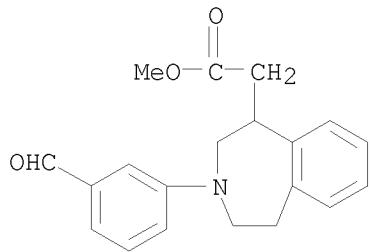
RN 332881-73-9 CAPLUS
 CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[1-oxo-7-(2-pyridinylamino)heptyl]-, methyl ester (CA INDEX NAME)



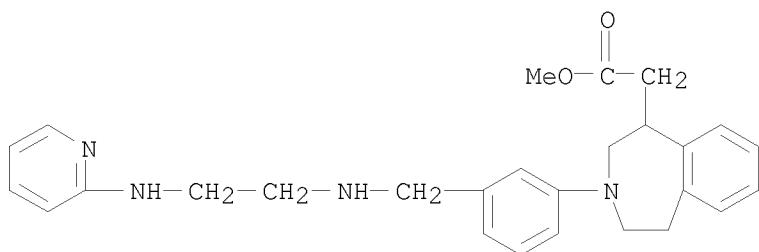
RN 332882-76-5 CAPLUS
 CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[3-(hydroxymethyl)phenyl]-, methyl ester (CA INDEX NAME)



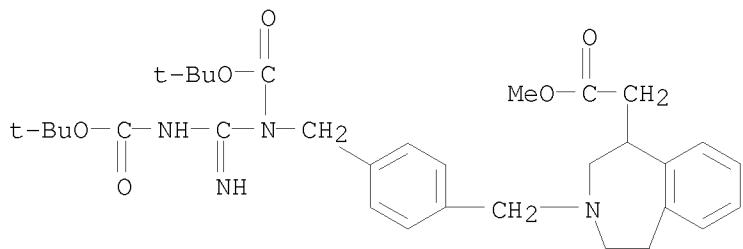
RN 332882-78-7 CAPLUS
CN 1H-3-Benzazepine-1-acetic acid, 3-(3-formylphenyl)-2,3,4,5-tetrahydro-, methyl ester (CA INDEX NAME)



RN 332882-80-1 CAPLUS
CN 1H-3-Benzazepine-1-acetic acid, 2,3,4,5-tetrahydro-3-[3-[[2-(2-pyridinylamino)ethyl]amino]methyl]phenyl-, methyl ester (CA INDEX NAME)

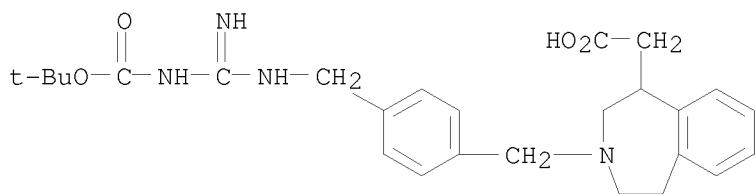


RN 332882-85-6 CAPLUS
CN 1H-3-Benzazepine-1-acetic acid, 3-[4-[[[[(1,1-dimethylethoxy)carbonyl][[[(1,1-dimethylethoxy)carbonyl]amino]iminomethyl]amino]methyl]phenyl]-2,3,4,5-tetrahydro-, methyl ester (CA INDEX NAME)



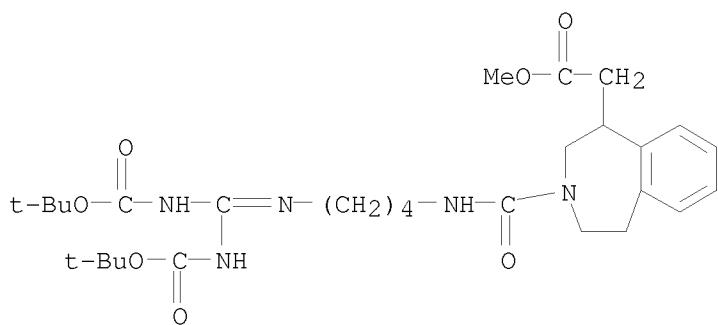
RN 332882-87-8 CAPLUS

CN 1H-3-Benzazepine-1-acetic acid, 3-[{4-[{[(1,1-dimethylethoxy)carbonyl]amino}iminomethyl]amino}methyl]phenyl]-2,3,4,5-tetrahydro- (CA INDEX NAME)



RN 332911-01-0 CAPLUS

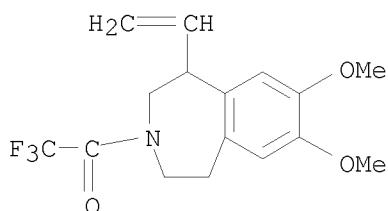
CN 1H-3-Benzazepine-1-acetic acid, 3-[{[4-[{[bis[(1,1-dimethylethoxy)carbonyl]amino}methylene]amino}butyl]amino}carbonyl]-2,3,4,5-tetrahydro-, methyl ester (CA INDEX NAME)



L19 ANSWER 16 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:199548 CAPLUS
 DOCUMENT NUMBER: 133:58698
 TITLE: Enantioselective synthesis of tetrahydroisoquinolines and benzazepines by silane terminated Heck reactions with the chiral ligands (+)-TMBTP and (R)-BITIANP
 AUTHOR(S): Tietze, Lutz F.; Thede, Kai; Schimpf, Ralph; Sannicolo, Franco
 CORPORATE SOURCE: Institut fur Organische Chemie der Universitat Gottingen, Gottingen, D-37077, Germany
 SOURCE: Chemical Communications (Cambridge) (2000), (7), 583-584
 PUBLISHER: Royal Society of Chemistry
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 133:58698
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

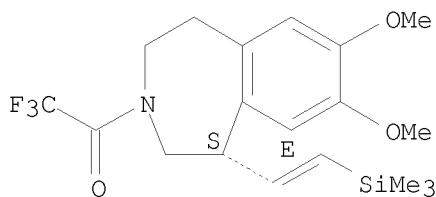
AB The intramol. Heck reaction of the iodoaryl compound I ($R = MeO$, $n = 1$) with a (*Z*)-allylsilane moiety in the presence of the chiral ligand (+)-TMBTP [$(+)$ -II] leads to the benzazepine III ($R = H$) with 92% ee, whereas I ($R = MeO$, $n = 1$) with an (*E*)-allylsilane moiety in the presence of the chiral ligand (R)-BITIANP [(R)-IV] gives III ($R = SiMe_3$) with 91% ee; in a similar way, I ($R = H, MeO; n = 0$) were transformed in the presence of (+)-II into the tetrahydroisoquinolines V ($R = H, MeO$) with 86 and 84% ee, resp.
 IT 154138-48-4P 157105-52-7P 157183-88-5P
 278171-54-3P 278171-55-4P 278171-56-5P
 278171-57-6P 278171-58-7P 278171-59-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (asym. synthesis of tetrahydroisoquinolines and -benzazepines by silane-terminated Heck reactions with chiral ligands)
 RN 154138-48-4 CAPLUS
 CN Ethanone, 1-(1-ethenyl-1,2,4,5-tetrahydro-7,8-dimethoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 157105-52-7 CAPLUS
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7,8-dimethoxy-3-(trifluoroacetyl)-1-[$(1E)$ -2-(trimethylsilyl)ethenyl]-, ($1S$)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

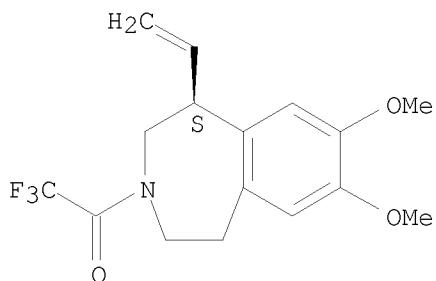
Double bond geometry as shown.



RN 157183-88-5 CAPLUS

CN 1H-3-Benzazepine, 1-ethenyl-2,3,4,5-tetrahydro-7,8-dimethoxy-3-(trifluoroacetyl)-, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

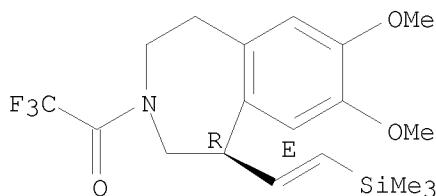


RN 278171-54-3 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1R)-1,2,4,5-tetrahydro-7,8-dimethoxy-1-[(1E)-2-(trimethylsilyl)ethenyl]-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

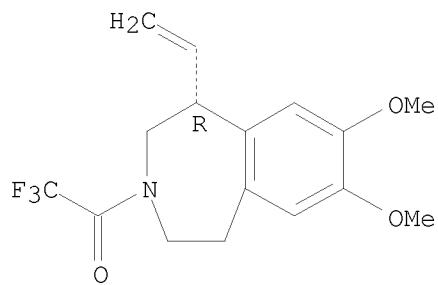
Double bond geometry as shown.



RN 278171-55-4 CAPLUS

CN Ethanone, 1-[(1R)-1-ethenyl-1,2,4,5-tetrahydro-7,8-dimethoxy-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

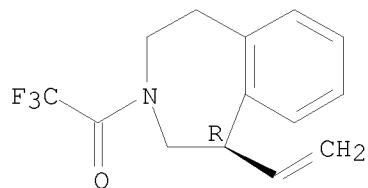
Absolute stereochemistry.



RN 278171-56-5 CAPLUS

CN Ethanone, 1-[(1R)-1-ethenyl-1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

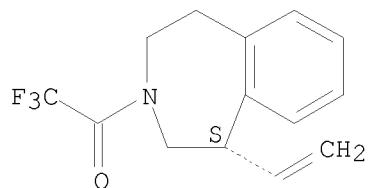
Absolute stereochemistry.



RN 278171-57-6 CAPLUS

CN Ethanone, 1-[(1S)-1-ethenyl-1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.

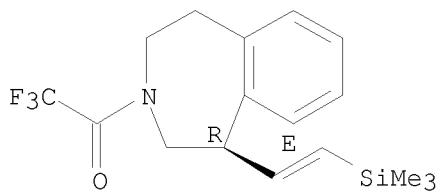


RN 278171-58-7 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1R)-1,2,4,5-tetrahydro-1-[(1E)-2-(trimethylsilyl)ethenyl]-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

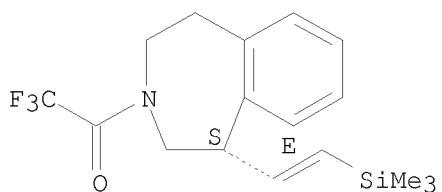


RN 278171-59-8 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-1-(1E)-2-(trimethylsilyl)ethenyl]-3H-3-benzazepin-3-yl]-(CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



REFERENCE COUNT:

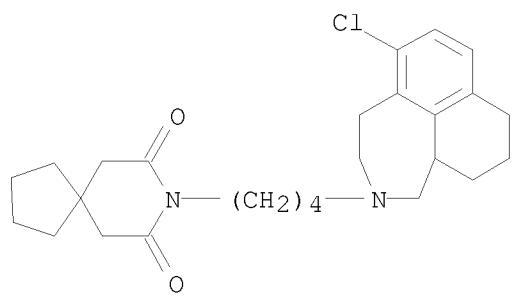
19

THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:484676 CAPLUS
 DOCUMENT NUMBER: 129:211234
 ORIGINAL REFERENCE NO.: 129:42719a, 42722a
 TITLE: Interaction of the anxiogenic agent, RS-30199, with 5-HT1A receptors: modulation of sexual activity in the male rat
 AUTHOR(S): Spedding, M.; Newman-Tancredi, A.; Millan, M. J.; Dacquet, C.; Michel, A. N.; Jacoby, E.; Vickery, B.; Tallentire, D.
 CORPORATE SOURCE: Croissy Research Centre, Institut de Internationales, Servier, Paris, 78290, Fr.
 SOURCE: Neuropharmacology (1998), 37(6), 769-780
 CODEN: NEPHBW; ISSN: 0028-3908
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB RS-30199 has been shown previously to have atypical interactions at 5-HT1A receptors. RS-30199 and RS-64459, an analog of buspirone with a buspirone side chain, were compared with the classic, partial agonist at 5-HT1A receptors, 8-hydroxy-2-(di-n-propylamino) tetralin (8-OH-DPAT) and buspirone. At human (h) 5-HT1A receptors in CHO cells, RS-30199-193 (racemate) and its enantiomers (-197, -198) inhibited [³H]-8-OH-DPAT binding (RS-30199-198, ki, 29.7 ± 11.7 nM; RS-30199-197, ki, 74.1 ± 11.7 nM) as did RS-64459 (ki, 24.9 ± 6.0 nM), but RS-30199-197 and -198 were almost full agonists in a [³⁵S]-GTP γ S binding assay, whereas RS-64459 was a partial agonist, resembling buspirone and 8-OH-DPAT. RS-64459 and the enantiomers of RS-30199 had weaker affinity for 5-HT2C and 5-HT7 receptors. These compds. did not induce the 5-HT behavioral syndrome in male rats. However, in a model where naive male rats were introduced to estrogen-progesterone primed, sexually receptive female rats, RS-30199-197 (0.1, 1, 10 mg/kg, s.c.) had a profound inhibitory effect on sexual behavior score. Neither buspirone nor 8-OH-DPAT reduced the sexual behavior score. Unlike 8-OH-DPAT, which shortens intromission latency, RS-30199 prolonged intromission latency. RS-30199 (10 mg/kg s.c.) fully inhibited the facilitation of sexual behavior caused by the α 2-adrenoceptor antagonist, delequamine (0.1 mg/kg, p.o.). In contrast, RS-64459 (100, 250, 1000 and 4000 μ g/kg, s.c.) failed to modify the sexual behavior score and did not modify intromission latency. The differences between the effects of RS-30199 and RS-64459 in binding and functional expts. are supported by mol. models of the receptor-ligand interaction, where the compds. interact in different ways with the receptor; a model is proposed for the allosteric interaction of different agents with the receptor, resulting in different functional profiles. RS-30199 can be considered an atypical agonist at 5-HT1A receptors.

IT 123882-89-3, RS 64459
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (mol. modeling of interaction of anxiogenic agent, RS-30199, and RS-64459 with 5-HT1A receptors)
 RN 123882-89-3 CAPLUS
 CN 8-Azaspiro[4.5]decane-7,9-dione, 8-[4-(5-chloro-3,4,8,9,10,10a-hexahydronaphth[1,8-cd]azepin-2(1H)-yl)butyl]-, monohydrochloride (9CI) (CA INDEX NAME)

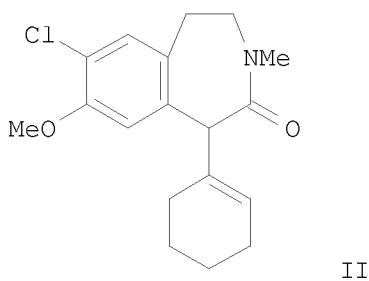
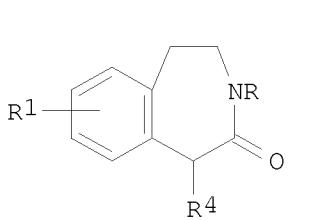


● HCl

REFERENCE COUNT: 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

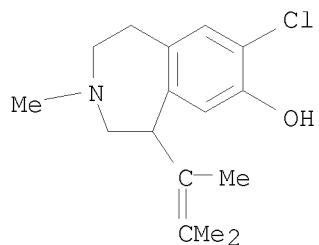
L19 ANSWER 18 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1996:447104 CAPLUS
 DOCUMENT NUMBER: 125:142587
 ORIGINAL REFERENCE NO.: 125:26689a, 26692a
 TITLE: Process for preparation of (alkenyl)benzazepinones
 INVENTOR(S): Berger, Joel G.; Chang, Wei K.; Kozlowski, Joseph A.; Zhou, Guowei
 PATENT ASSIGNEE(S): Schering Corp., USA
 SOURCE: U.S., 13 pp., Cont.-in-part of U.S. 5,241,065.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5530125	A	19960625	US 1994-290894	19940819
US 5241065	A	19930831	US 1992-841603	19920225
WO 9316997	A1	19930902	WO 1993-US1425	19930223
	W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 1992-841603	A2 19920225
			WO 1993-US1425	W 19930223
OTHER SOURCE(S):	CASREACT 125:142587; MARPAT 125:142587			
GI				



AB A process for the preparation of α -substituted arylethylamines I (R , $R1$ = substituent; $R4$ = alkenyl, cycloalkenyl; p = 0-3) comprises the treatment of an arylacetamide with a strong base in an inert aprotic organic solvent, followed by reaction with a zerovalent transition metal catalyst and then with a compound of the formula $R X$, ($R4$ = 1-alkenyl, 1-cycloalkenyl; X = leaving group). The α -substituted arylacetamides are useful as intermediates in the preparation (by reduction) of α -substituted arylethylamines, e.g., 1-substituted-2,3,4,5-tetrahydro-1H-3-benzazepines, having pharmacol. activity. Certain benzazepines wherein the 1-substituent $R4$ = 1-(1-cycloalkenyl) are new. For example, the alkenylation of 7-chloro-1,3,4,5-tetrahydro-8-methoxy-3-methyl-2H-3-benzazepin-2-one with cyclohexenyl triflate in the presence of tetrakis(triphenylphosphine)palladium gave 7-chloro-1-(1-cyclohexen-1-yl)-1,3,4,5-tetrahydro-8-methoxy-3-methyl-2H-3-benzazepin-2-one (II).

IT 179419-72-8
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(preparation of (alkenyl)benzazepinones via transition metal-catalyzed regioselective alkenylation of benzazepinones)
RN 179419-72-8 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-chloro-5-(1,2-dimethyl-1-propen-1-yl)-2,3,4,5-tetrahydro-3-methyl- (CA INDEX NAME)

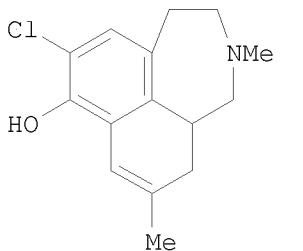


L19 ANSWER 19 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1995:305899 CAPLUS
 DOCUMENT NUMBER: 122:213955
 ORIGINAL REFERENCE NO.: 122:39111a, 39114a
 TITLE: Bridged benzazepines as selective D-1 receptor antagonists
 INVENTOR(S): Berger, Joel G.; Chang, Wei K.; Clader, John W.
 PATENT ASSIGNEE(S): Schering Corporation, USA
 SOURCE: U.S., 19 pp. Cont.-in-part of U.S. Ser. No. 587,894,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5374722	A	19941220	US 1993-27167	19930316
WO 9205157	A1	19920402	WO 1991-US6705	19910920
	W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, PL, RO, SD, SU, US RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 1990-587894	B2 19900925
			WO 1991-US6705	W 19910920

OTHER SOURCE(S): MARPAT 122:213955

GI



AB I is useful as an agent in the treatment of psychoses and drug dependence and for providing an analgesic effect. Minimal ED in rats in the conditioned avoidance response suppression test at 1 h. posttreatment after oral and 0.5 h. after s.c. administration by I derivs.: from 3 to >30 and 0.3 to >10, resp. Inhibition consts. Ki related to IC50 = concentration

of test drug (I derivs.) necessary to displace 50% of specifically bound titrated compds. from D-1 and D-2 receptors were determined: from 1.1 to 2080 and from 147-42,800, resp. Thus, I derivs. bind strongly to the D-1 receptor site, and are not specifically bound to the D-2 site.

Pharmaceutical formulations were given.

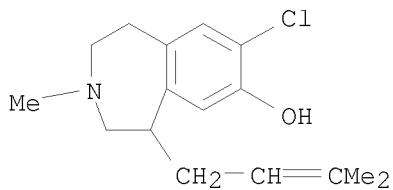
IT 118615-86-4P 143030-43-7P 143030-45-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(bridged benzazepines as selective D-1 receptor antagonists)

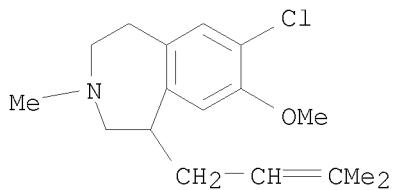
RN 118615-86-4 CAPLUS

CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(3-methyl-2-butenyl)- (9CI) (CA INDEX NAME)



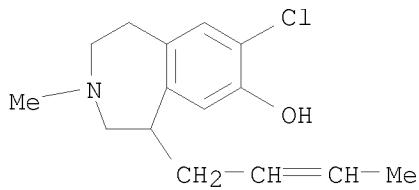
RN 143030-43-7 CAPLUS

CN 1H-3-Benzazepine, 7-chloro-2,3,4,5-tetrahydro-8-methoxy-3-methyl-1-(3-methyl-2-but enyl)- (CA INDEX NAME)



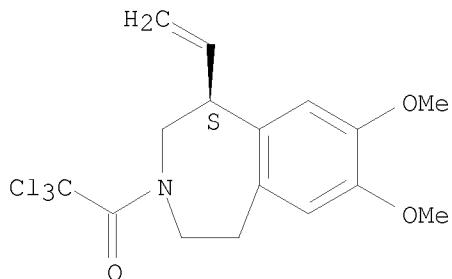
RN 143030-45-9 CAPLUS

CN 1H-3-Benzazepin-7-ol, 5-(2-buten-1-yl)-8-chloro-2,3,4,5-tetrahydro-3-methyl- (CA INDEX NAME)

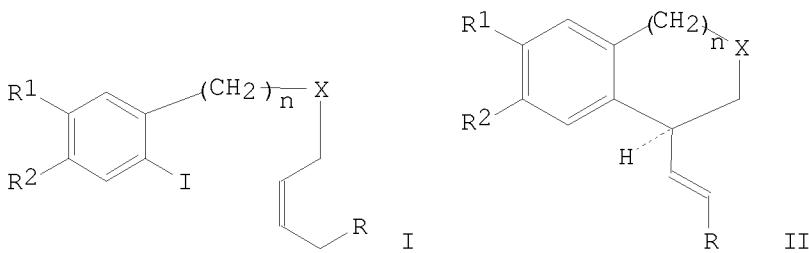


L19 ANSWER 20 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1995:288466 CAPLUS
 DOCUMENT NUMBER: 122:68762
 ORIGINAL REFERENCE NO.: 122:12899a,12902a
 TITLE: (+)-N-Trichloroacetyl-7,8-dimethoxy-1-vinyl-2,3,4,5-tetrahydro-1H-3-benzazepine at 153 K
 AUTHOR(S): Pohl, Ehmke; Herbst-Irmer, Regine; Schimpf, Ralph; tietze, Lutz F.
 CORPORATE SOURCE: Inst. Anorg. Chem., Univ. Goettingen, Goettingen, 37077, Germany
 SOURCE: Acta Crystallographica, Section C: Crystal Structure Communications (1994), C50(12), 1978-80
 CODEN: ACSCEE; ISSN: 0108-2701
 PUBLISHER: Munksgaard
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The crystal structure anal. of the title compound, C₁₆H₁₈Cl₃NO₃, was carried out at low temperature to determine the absolute configuration of the compound Crystalllog. data and atomic coordinates are given.
 IT 157105-53-8
 RL: PRP (Properties)
 (crystal structure and absolute configuration at low temperature of)
 RN 157105-53-8 CAPLUS
 CN 1H-3-Benzazepine, 1-ethenyl-2,3,4,5-tetrahydro-7,8-dimethoxy-3-(trichloroacetyl)-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L19 ANSWER 21 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1994:533936 CAPLUS
 DOCUMENT NUMBER: 121:133936
 ORIGINAL REFERENCE NO.: 121:24212h, 24213a
 TITLE: Regio- and enantioselective silicon-terminated intramolecular Heck reactions
 AUTHOR(S): Tietze, Lutz F.; Schimpf, Ralph
 CORPORATE SOURCE: Institut fuer Organische Chemie, Universitaet Goettingen, Goettingen, D-37077, Germany
 SOURCE: Angewandte Chemie (1994), 106(10), 1138-9 (See also Angew. Chem., Int. Ed. Engl., 1994, 33(10), 1089-91)
 CODEN: ANCEAD; ISSN: 0044-8249
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 OTHER SOURCE(S): CASREACT 121:133936
 GI



AB Palladium complex-catalyzed Heck reactions of I ($R = H, SiMe_3$; $X = NCOCF_3$, $n = 1$, $R1 = R2 = H$, $n = 2$, $R1 = R2 = MeO$; $X = CH_2$, $R1 = MeO$, $R2 = H$) were compared. Thus, I ($R = SiMe_3$) afforded cyclic compds. II ($R = H$ or $SiMe_3$), the ratio depending on the substrate and catalyst.

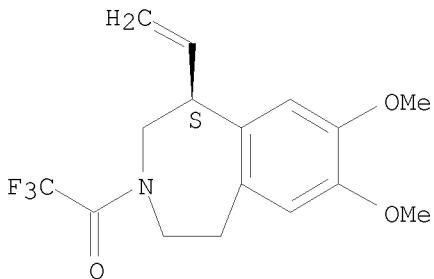
IT 157183-88-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reduction of)

RN 157183-88-5 CAPLUS

CN 1H-3-Benzazepine, 1-ethenyl-2,3,4,5-tetrahydro-7,8-dimethoxy-3-(trifluoroacetyl)-, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



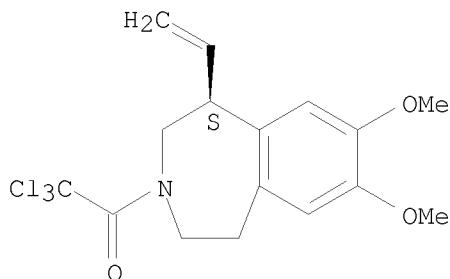
IT 157105-53-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and x-ray anal. of)

RN 157105-53-8 CAPLUS

CN 1H-3-Benzazepine, 1-ethenyl-2,3,4,5-tetrahydro-7,8-dimethoxy-3-(trichloroacetyl)-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 157105-52-7P

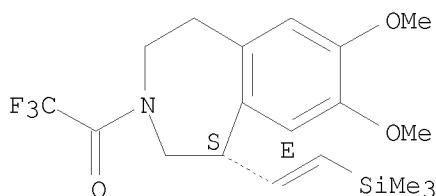
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 157105-52-7 CAPLUS

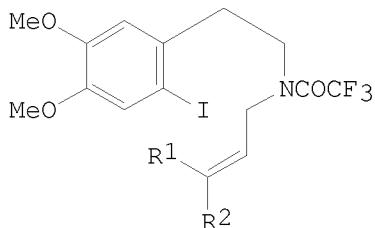
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7,8-dimethoxy-3-(trifluoroacetyl)-1-[(1E)-2-(trimethylsilyl)ethenyl]-, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

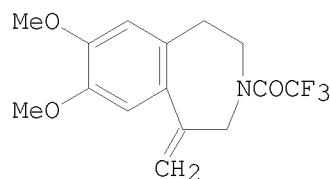
Double bond geometry as shown.



L19 ANSWER 22 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1994:244631 CAPLUS
 DOCUMENT NUMBER: 120:244631
 ORIGINAL REFERENCE NO.: 120:43353a, 43356a
 TITLE: Efficient synthesis of 2,3,4,5-tetrahydro-1H-3-benzazepines by intramolecular Heck reaction
 AUTHOR(S): Tietze, Lutz F.; Schimpf, Ralph
 CORPORATE SOURCE: Inst. Org. Chem., Univ. Goettingen, Goettingen,
 D-3400, Germany
 SOURCE: Synthesis (1993), (9), 876-80
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 120:244631
 GI

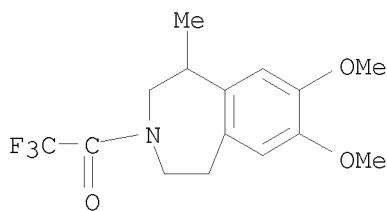


I

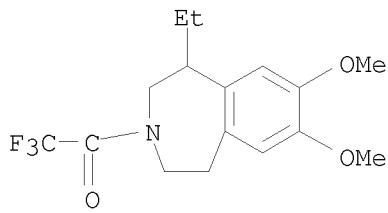


II

- AB A new facile method for the preparation of the pharmacol. interesting 3-benzazepine skeleton is described. N-[{(iodophenyl)ethyl]-N-allylamine easily available from iodinated benzene derivs. are alkylated with allyl halides to afford compds. N-[2-(2-iodophenyl)ethyl]-N-allylamines I (R₁, R₂ = H, Me). Pd-catalyzed Heck-type cyclization of I leads to 3-benzazepines such as II; hydrogenation of II gives the corresponding racemic alkyl-substituted benzazepine.
- IT 154138-53-1P 154138-54-2P 154138-55-3P
 154138-56-4P 154138-57-5P 154138-58-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
- RN 154138-53-1 CAPLUS
- CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7,8-dimethoxy-1-methyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)

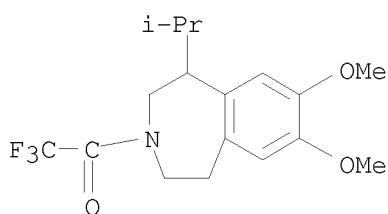


- RN 154138-54-2 CAPLUS
- CN Ethanone, 1-(1-ethyl-1,2,4,5-tetrahydro-7,8-dimethoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



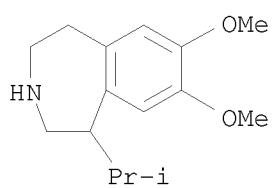
RN 154138-55-3 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7,8-dimethoxy-1-(1-methylethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



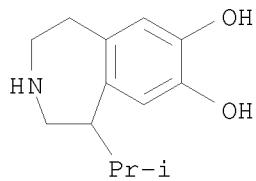
RN 154138-56-4 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7,8-dimethoxy-1-(1-methylethyl)- (CA INDEX NAME)



RN 154138-57-5 CAPLUS

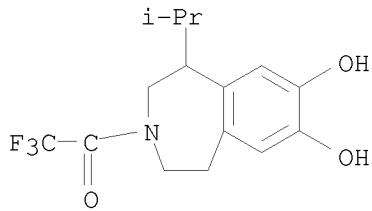
CN 1H-3-Benzazepine-7,8-diol, 2,3,4,5-tetrahydro-1-(1-methylethyl)-, hydrobromide (1:1) (CA INDEX NAME)



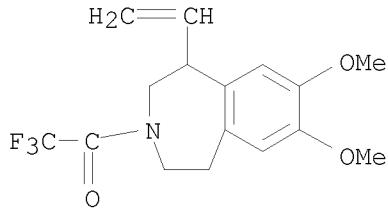
● HBr

RN 154138-58-6 CAPLUS

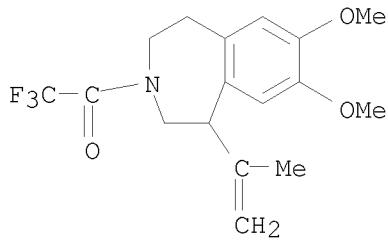
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7,8-dihydroxy-1-(1-methylethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



IT 154138-48-4P 154138-51-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, Heck reaction of N-[(iodophenyl)ethyl]-N-allylamine)
 RN 154138-48-4 CAPLUS
 CN Ethanone, 1-(1-ethenyl-1,2,4,5-tetrahydro-7,8-dimethoxy-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

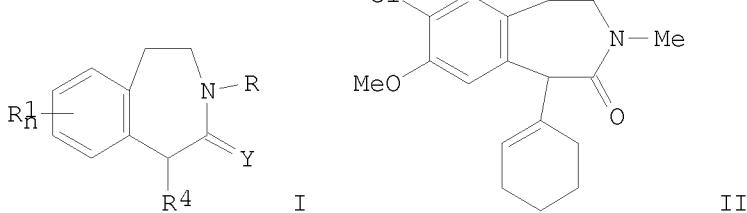


RN 154138-51-9 CAPLUS
 CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-7,8-dimethoxy-1-(1-methylethenyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



L19 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1994:134315 CAPLUS
DOCUMENT NUMBER: 120:134315
ORIGINAL REFERENCE NO.: 120:23651a, 23654a
TITLE: 2,3,4,5-Tetrahydro-1H-3-benzazepines having
antipsychotic activity
INVENTOR(S): Berger, Joel G.; Chang, Wei K.; Kozlowski, Joseph A.;
Zhou, Guowei
PATENT ASSIGNEE(S): Schering Corp., USA
SOURCE: U.S., 14 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5241065	A	19930831	US 1992-841603	19920225
ZA 9301261	A	19930823	ZA 1993-1261	19930223
CA 2130797	A1	19930902	CA 1993-2130797	19930223
CA 2130797	C	20060704		
WO 9316997	A1	19930902	WO 1993-US1425	19930223
W: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9337221	A	19930913	AU 1993-37221	19930223
EP 628030	A1	19941214	EP 1993-906034	19930223
EP 628030	B1	20021211		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07504196	T	19950511	JP 1993-514943	19930223
IL 104828	A	19990817	IL 1993-104828	19930223
AT 229510	T	20021215	AT 1993-906034	19930223
ES 2183810	T3	20030401	ES 1993-906034	19930223
US 5530125	A	19960625	US 1994-290894	19940819
PRIORITY APPLN. INFO.:			US 1992-841603	A 19920225
			WO 1993-US1425	W 19930223
OTHER SOURCE(S):	CASREACT 120:134315; MARPAT 120:134315			



AB The title compds. I (R = alkyl, alkenyl, aryl, aralkyl, cycloalkyl, cycloalkyl alkyl; R_1 = alkenyl, alkoxy, HO, alkenyloxy, cycloalkyl, NO₂,

halogen, Ph, PhO; R4 = 1-cycloalkenyl; Y = O, H2), useful as antipsychotic agents, are prepared from aryl acetamides in the presence of a strong base followed by reaction with zero-valent transition metal catalysts and then with cycloalkenyl group R4X (X = leaving group). Thus, 7-chloro-8-methoxy-3-methyl-1,3,4,5-tetrahydro-2H-3-benzazepin-2-one was reacted with Li diisopropylamide in the presence of Pd (PPH₃)₄ followed by addition of 1-cyclohexenyl triflate, producing II.

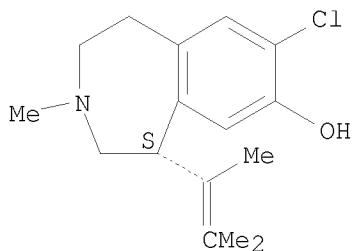
IT 152807-92-6

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(antipsychotic activity of)

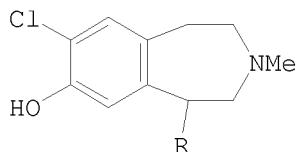
RN 152807-92-6 CAPLUS

CN 1H-3-Benzazepin-7-ol, 8-chloro-5-(1,2-dimethyl-1-propenyl)-2,3,4,5-tetrahydro-3-methyl-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

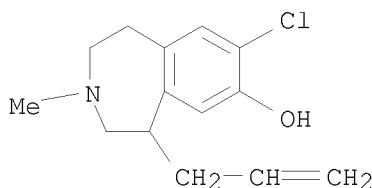


L19 ANSWER 24 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1993:539050 CAPLUS
 DOCUMENT NUMBER: 119:139050
 ORIGINAL REFERENCE NO.: 119:24931a,24934a
 TITLE: Dopamine receptor binding properties of some
 2,3,4,5-tetrahydro-1H-3-benzazepin-7-ols with
 nonaromatic substituents in the 5-position
 AUTHOR(S): Chang, Wei K.; Peters, Marjorie; Fevig, Vicki P.;
 Kozlowski, Joseph A.; Zhou, Gouwei; Lowe, Derek B.;
 Guzik, Henry; McQuade, Robert D.; Duffy, Ruth; et al.
 Schering-Plough Res. Inst., Bloomfield, NJ, 07003, USA
 CORPORATE SOURCE: Bioorganic & Medicinal Chemistry Letters (1992), 2(5),
 SOURCE: 399-402
 DOCUMENT TYPE: CODEN: BMCLE8; ISSN: 0960-894X
 LANGUAGE: Journal
 English
 OTHER SOURCE(S): CASREACT 119:139050
 GI

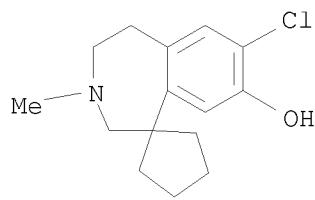


I

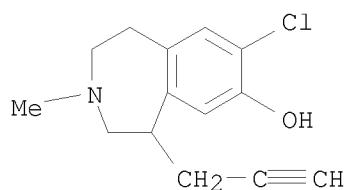
AB The title compds. I (R = H, Pr, EtS, cyclohexyl) related to the selective dopamine D-1 antagonist SCH 23390, but bearing non-aromatic substituents in the 5-position possess considerable affinity and selectivity for D-1 vs. D-2 receptors.
 IT 118615-62-6P 118615-67-1P 118615-83-1P
 149435-02-9P 149454-12-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and SAR of)
 RN 118615-62-6 CAPLUS
 CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-
 (9CI) (CA INDEX NAME)



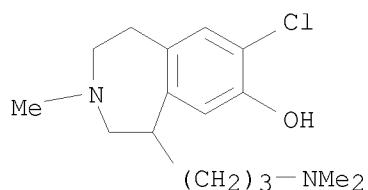
RN 118615-67-1 CAPLUS
 CN Spiro[1H-3-benzazepine-1,1'-cyclopentan]-8-ol, 7-chloro-2,3,4,5-tetrahydro-
 3-methyl- (CA INDEX NAME)



RN 118615-83-1 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propynyl)-
(9CI) (CA INDEX NAME)

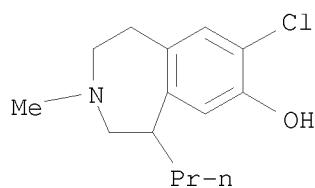


RN 149435-02-9 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-chloro-5-[3-(dimethylamino)propyl]-2,3,4,5-
tetrahydro-3-methyl-, hydrochloride (1:1) (CA INDEX NAME)



● HC1

RN 149454-12-6 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-propyl- (CA
INDEX NAME)



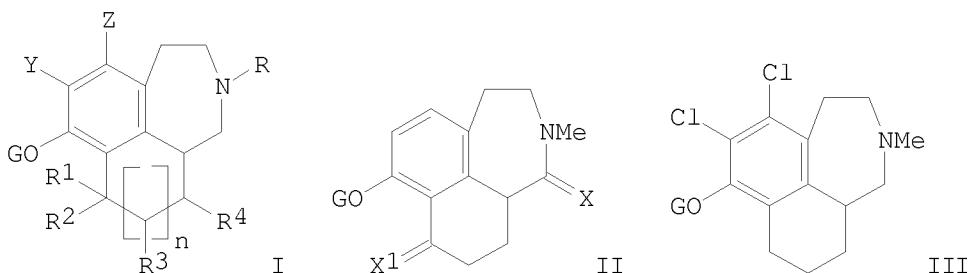
10/561,071

L19 ANSWER 25 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1992:571248 CAPLUS
 DOCUMENT NUMBER: 117:171248
 ORIGINAL REFERENCE NO.: 117:29605a, 29608a
 TITLE: Peri-condensed benzazepines
 INVENTOR(S): Berger, Joel G.; Chang, Wei K.; Clader, John W.
 PATENT ASSIGNEE(S): Schering Corp., USA
 SOURCE: PCT Int. Appl., 67 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9205157	A1	19920402	WO 1991-US6705	19910920
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, PL, RO, SD, SU, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
AU 9185365	A	19920415	AU 1991-85365	19910920
EP 551312	A1	19930721	EP 1991-916793	19910920
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05506246	T	19930916	JP 1991-515385	19910920
JP 06015530	B	19940302		
ZA 9107573	A	19920624	ZA 1991-7573	19910923
US 5374722	A	19941220	US 1993-27167	19930316
PRIORITY APPLN. INFO.:			US 1990-587894	A2 19900925
			WO 1991-US6705	A 19910920

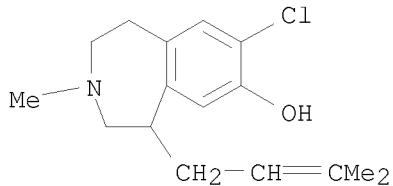
OTHER SOURCE(S): MARPAT 117:171248

GI

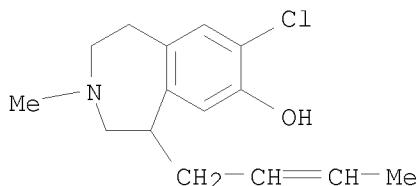


AB Compds. of formula I [R = H, alkyl, allyl, n = 0, 1; R1, R2 = H, OH, Cl-4 alkyl or Ar; R3, R4 = H, Cl-4 alkyl, G = H, R5R6NCO, ArNHCO (R5, R6 = H, Cl-4 alkyl, aryl); Ar = Ph, substituted Ph; Y, Z = H, halo, Cl-4 alkyl, Cl-4 alkoxy, Cl-4 haloalkyl] were prepared for use as antipsychotics, in treatment of drug dependency, and as analgesics. Thus, hydrogenation of naphthazepinedione II (X = X1 = O; G = Me) over Pd-C gave monoketones II (X1 = H2) which was reduced by BH3-THF to give methoxy derivative II (X = X1 = H2; G = Me) followed by chlorination with SO2Cl2 to give dichloro derivative III (G = Me). Cleavage of III by 48% HBr gave phenol III (G = H), the most preferred compound

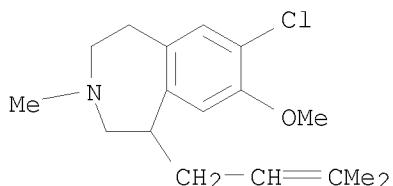
IT 118615-86-4P 143030-45-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and cyclization by methanesulfonic acid)
 RN 118615-86-4 CAPLUS
 CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(3-methyl-2-but enyl)- (9CI) (CA INDEX NAME)



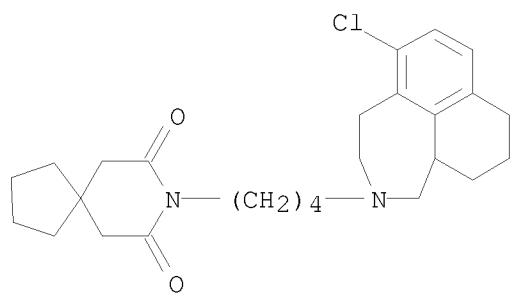
RN 143030-45-9 CAPLUS
 CN 1H-3-Benzazepin-7-ol, 5-(2-buten-1-yl)-8-chloro-2,3,4,5-tetrahydro-3-methyl- (CA INDEX NAME)



IT 143030-43-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and demethylation of)
 RN 143030-43-7 CAPLUS
 CN 1H-3-Benzazepine, 7-chloro-2,3,4,5-tetrahydro-8-methoxy-3-methyl-1-(3-methyl-2-but enyl)- (CA INDEX NAME)

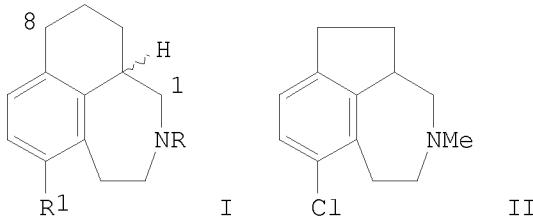


L19 ANSWER 26 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1992:52034 CAPLUS
 DOCUMENT NUMBER: 116:52034
 ORIGINAL REFERENCE NO.: 116:8851a,8854a
 TITLE: The guinea pig ileum preparation as a model for 5-HT1A
 receptors: anomalous effects with RS-30199-193
 AUTHOR(S): Small, Catherine; Brown, Christine M.; Redfern,
 William S.; Spedding, Michael
 CORPORATE SOURCE: Syntex Res. Cent., Riccarton/Edinburgh, EH14 4AP, UK
 SOURCE: British Journal of Pharmacology (1991), 104(2), 519-25
 CODEN: BJPCBM; ISSN: 0007-1188
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Agents that have high and selective affinity for the 5-HT1A site such as 8-hydroxy-2-(di-n-propylamino)tetralin (8-OH-DPAT) and N,N-dipropyl-5-carboxamidotryptamine (DP5CT) inhibited the responses to field stimulation in guinea pig ileum preps.; the inhibitory effects were antagonized by methiothepin and spiperone, consistent with effects at the 5-HT1A site. The inhibitory effects of DP5CT were pronounced in Tyrode solution containing low Ca²⁺ (0.9 mM), but were much less apparent in Tyrode solution containing 1.8 or 5.4 mM Ca²⁺. Responses to DP5CT were abolished by pretreatment with phorbol dibutyrate (3 μM), whereas the responses to UK 14304 were only slightly inhibited. Buspirone and ipsapirone (1 μM) inhibited the responses to field stimulation, and the effects were resistant to idazoxan, but inhibited by 8-OH-DPAT or spiperone. RS 30199-193 (5-chloro-2-methyl-1,2,3,4,8,9,10,10a-octahydronaphth-[1,8-cd]-azepine-HCl) an azepine with high affinity for the 5-HT1A site in rat cerebral cortex in binding expts., augmented contractions but did not antagonize the responses to DP5CT or to 8-OH-DPAT. The hybrid compound of RS 30199-193 with buspirone, RS 64459-193 (5-chloro-2-[4-(8-azaspiro[4,5]decane-7,9-dione)-but-1-yl]-1,2,3,4,8,9,10,10a-octahydronaphth[1,8-cd]-3-azepine-HCl) maintained high affinity for the 5-HT1A binding site in rat brain and both inhibited the response to field stimulation and antagonized the responses to 8-OH-DPAT and DP5CT. Thus the buspirone side chains when added to RS 30199-193 appears either to induce affinity for a distinct subset of receptors in the guinea pig ileum or is required for functional effectiveness at the 5-HT1A receptor.
 IT 123882-89-3, RS 64459-193
 RL: BIOL (Biological study)
 (intestine ileum contraction inhibition by)
 RN 123882-89-3 CAPLUS
 CN 8-Azaspiro[4.5]decane-7,9-dione, 8-[4-(5-chloro-3,4,8,9,10,10a-hexahydronaphth[1,8-cd]azepin-2(1H)-yl)butyl]-, monohydrochloride (9CI)
 (CA INDEX NAME)



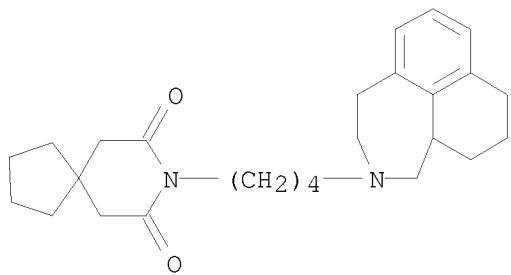
● HCl

L19 ANSWER 27 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1990:55570 CAPLUS
 DOCUMENT NUMBER: 112:55570
 ORIGINAL REFERENCE NO.: 112:9535a,9538a
 TITLE: 1,9-Alkano-bridged 2,3,4,5-tetrahydro-1H-3-benzazepines with affinity for the α_2 -adrenoceptor and the 5-HT1A receptor
 AUTHOR(S): Clark, Robin D.; Weinhardt, Klaus K.; Berger, Jacob; Fisher, Lawrence E.; Brown, Christine M.; MacKinnon, Alison C.; Kilpatrick, Andrew T.; Spedding, Michael
 CORPORATE SOURCE: Inst. Org. Chem., Syntex Res., Palo Alto, CA, 94304, USA
 SOURCE: Journal of Medicinal Chemistry (1990), 33(2), 633-41
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 112:55570
 GI



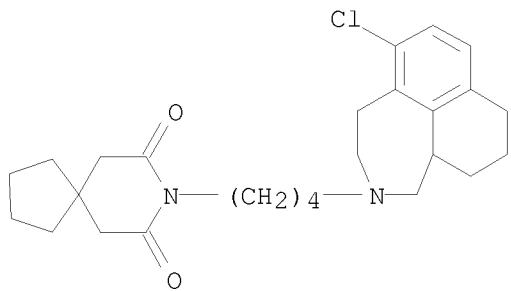
AB A number of 1,9-alkano-bridged 2,3,4,5-tetrahydro-1H-3-benzazepines were prepared and evaluated for 5-HT1A receptor and α_2 -adrenoceptor affinity by using radioligand receptor-binding techniques. Several compds. displayed 5-HT1A receptor affinity comparable to, or greater than, that of the known 5-HT1A ligand buspirone. The highest affinity 5-HT1A receptor ligands were N-methyl-5-chloro-, N-allyl-5-chloro-, and N-allyl-5-methoxy-1,2,3,4,8,9,10,10a-octahydronaphth[1,8-cd]azepines I (R = Me, allyl, R1 = Cl; R = allyl, R1 = OMe), which had pKi values of 7.9-8.1. The (S)-enantiomer of I (R = Me, R1 = Cl) had a higher affinity for the 5-HT1A receptor than the corresponding (R)-isomer [pKi of 8.2 for (S)-I vs. 7.7 for (R)-I]. These compds. had a relatively low affinity for the α_2 -adrenoceptor (pKi of 7 or less). On the other hand, the closely related 5-chloro-2-methyl-2,3,4,8,9,9a-hexahydro-1H-indeno[1,7-cd]azepine (II) had high affinity for both the α_2 -adrenoceptor (pKi = 8.1) and 5-HT1A receptor (pKi = 7.6). These results indicate that the 2 receptors may share common recognition sites.

IT 123882-87-1P 123882-89-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and adrenoceptor and hydroxytryptamine receptor binding activity of)
 RN 123882-87-1 CAPLUS
 CN 8-Azaspiro[4.5]decane-7,9-dione, 8-[4-(3,4,8,9,10,10a-hexahydronaphth[1,8-cd]azepin-2(1H)-yl)butyl]-, monohydrochloride (9CI) (CA INDEX NAME)



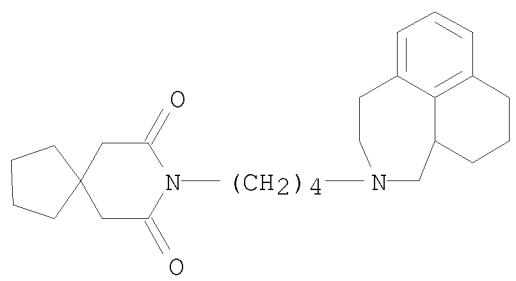
● HCl

RN 123882-89-3 CAPLUS
CN 8-Azaspido[4.5]decane-7,9-dione, 8-[4-(5-chloro-3,4,8,9,10,10a-hexahydronaphth[1,8-cd]azepin-2(1H)-yl)butyl]-, monohydrochloride (9CI) (CA INDEX NAME)



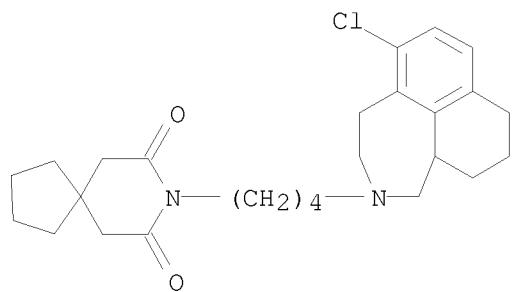
● HCl

IT 123882-86-0P 123882-88-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, adrenoceptor and hydroxytryptamine receptor binding activity,
and conversion of, to salt)
RN 123882-86-0 CAPLUS
CN 8-Azaspido[4.5]decane-7,9-dione, 8-[4-(3,4,8,9,10,10a-hexahydronaphth[1,8-cd]azepin-2(1H)-yl)butyl]- (CA INDEX NAME)



RN 123882-88-2 CAPLUS

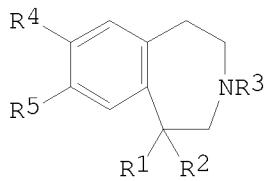
CN 8-Azaspido[4.5]decane-7,9-dione, 8-[4-(5-chloro-3,4,8,9,10,10a-hexahydronaphth[1,8-cd]azepin-2(1H)-yl)butyl]- (CA INDEX NAME)



L19 ANSWER 28 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1989:75345 CAPLUS
 DOCUMENT NUMBER: 110:75345
 ORIGINAL REFERENCE NO.: 110:12449a,12452a
 TITLE: Substituted benzazepines, their preparation, pharmaceutical compositions containing them, and their use as antipsychotics
 INVENTOR(S): Berger, Joel G.; Chang, Wei K.; Peters, Marjorie
 PATENT ASSIGNEE(S): Schering Corp., USA
 SOURCE: Eur. Pat. Appl., 45 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 285919	A1	19881012	EP 1988-104758	19880324
EP 285919	B1	19941012		
R: ES, GR				
ZA 8802080	A	19890426	ZA 1988-2080	19880323
WO 8807526	A1	19881006	WO 1988-US899	19880324
W: AU, DK, FI, HU, JP, KR, NO, US				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
AU 8815964	A	19881102	AU 1988-15964	19880324
AU 619744	B2	19920206		
EP 357641	A1	19900314	EP 1988-903596	19880324
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 02502723	T	19900830	JP 1988-503399	19880324
JP 06062574	B	19940817		
HU 53882	A2	19901228	HU 1988-2812	19880324
HU 205744	B	19920629		
IL 85855	A	19930221	IL 1988-85855	19880324
CA 1321195	C	19930810	CA 1988-562352	19880324
NO 8805096	A	19881115	NO 1988-5096	19881115
NO 174507	B	19940207		
NO 174507	C	19940518		
DK 8806526	A	19881123	DK 1988-6526	19881123
DK 165688	B	19930104		
DK 165688	C	19930524		
US 5015639	A	19910514	US 1989-322801	19890313
FI 8904566	A	19890927	FI 1989-4566	19890927
US 5247080	A	19930921	US 1991-646574	19910221
PRIORITY APPLN. INFO.:			US 1987-32135	A 19870327
			WO 1988-US899	A 19880324
			US 1989-322801	A3 19890313

OTHER SOURCE(S): MARPAT 110:75345
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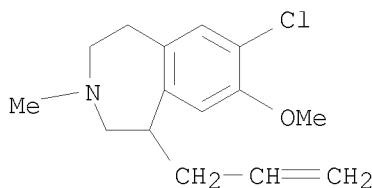
AB The title compds. [I; R1 = H, cycloalkyl, cycloalkenyl, cyano, R6X, R7O2C, R7CO2, R72NCO2, R7C.tplbond.C, R72NCO, imidazolyl, pyrrolyl, (un)substituted alkyl, alkenyl, etc.; R2 = H, OH, alkoxy; R1R2 = atoms to complete a carbocycle or heterocycle; R3 = H, alkyl, CH2CHCH2, cyclopropylmethyl; R4 = H, (halo)alkyl, alkoxy, halo; R5 = R8O, R72N, R, 9CO2CR102O; R6 = H, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, heteroaryl, (un)substituted alkyl; R7 = H, alkyl, alkoxy(alkyl), aryl, aralkyl; R8 = H, R7CO, R72NCO; R9 = alkyl, aryl, aralkyl; R10 = H, alkyl; X = O, S, R7N] and their pharmaceutically acceptable salts were prepared as dopamine D1 receptor antagonists, useful as antipsychotics, antidepressants, and analgesics. 3,4-Cl(MeO)C6H3CH2CH2NHMe was N-alkylated with (EtO)2CHCH2Br and the product was cyclized by heating at 70° with MeSO3H to give I (R1 = EtO, R2 = H, R3 = Me, R4 = Cl, R5 = MeO). The latter was deetherified by heating 10 h with Et3Na in DMF to give I (R1 = EtO, R2 = H, R3 = Me, R4 = Cl, R5 = OH) (II). In the conditioned avoidance response test in rats II suppressed the response with a min. ED of 1 mg/kg s.c.

IT 118615-45-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of antipsychotics)

RN 118615-45-5 CAPLUS

CN 1H-3-Benzazepine, 7-chloro-2,3,4,5-tetrahydro-8-methoxy-3-methyl-1-(2-propenyl)- (9CI) (CA INDEX NAME)

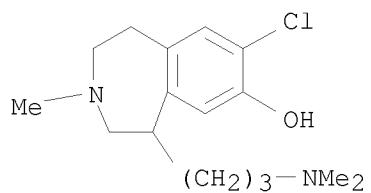


IT 118615-60-4P 118615-62-6P 118615-67-1P
118615-69-3P 118615-70-6P 118615-71-7P
118615-72-8P 118615-83-1P 118615-85-3P
118615-87-5P 118615-88-6P 118615-89-7P
118615-90-0P 118615-91-1P 118652-79-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antipsychotic and antidepressant)

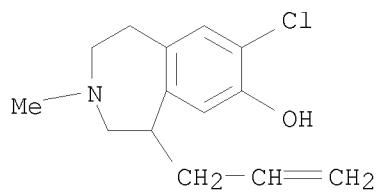
RN 118615-60-4 CAPLUS

CN 1H-3-Benzazepin-7-ol, 8-chloro-5-[3-(dimethylamino)propyl]-2,3,4,5-tetrahydro-3-methyl- (CA INDEX NAME)



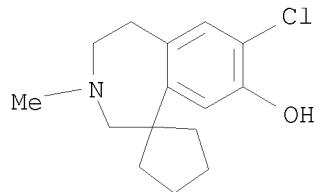
RN 118615-62-6 CAPLUS

CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)- (9CI) (CA INDEX NAME)



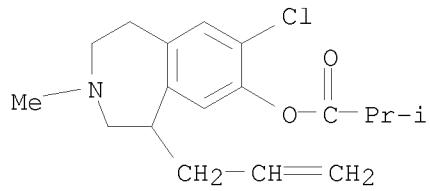
RN 118615-67-1 CAPLUS

CN Spiro[1H-3-benzazepine-1,1'-cyclopentan]-8-ol, 7-chloro-2,3,4,5-tetrahydro-3-methyl- (CA INDEX NAME)



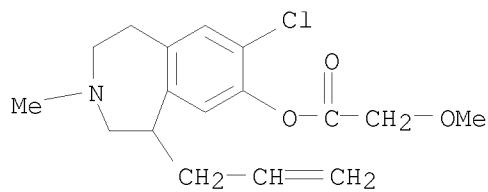
RN 118615-69-3 CAPLUS

CN Propanoic acid, 2-methyl-, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-1H-3-benzazepin-7-yl ester (9CI) (CA INDEX NAME)

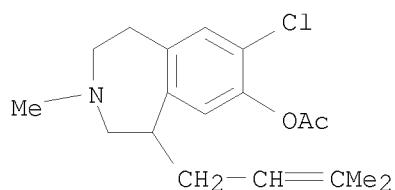


RN 118615-70-6 CAPLUS

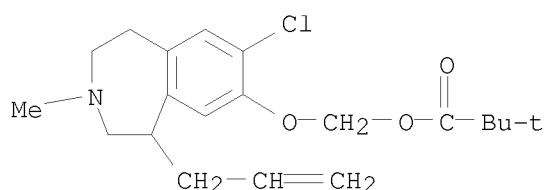
CN Acetic acid, methoxy-, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-1H-3-benzazepin-7-yl ester (9CI) (CA INDEX NAME)



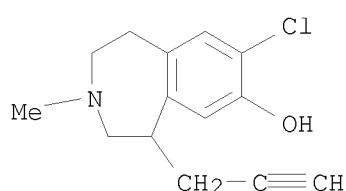
RN 118615-71-7 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(3-methyl-2-but enyl)-, acetate (ester) (9CI) (CA INDEX NAME)



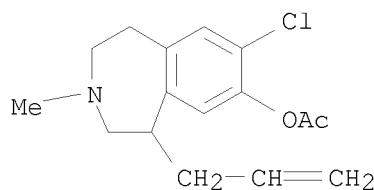
RN 118615-72-8 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, [[8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-1H-3-benzazepin-7-yl]oxy]methyl ester (9CI) (CA INDEX NAME)



RN 118615-83-1 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propynyl)- (9CI) (CA INDEX NAME)



RN 118615-85-3 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-, acetate (ester), hydrochloride (9CI) (CA INDEX NAME)



● HCl

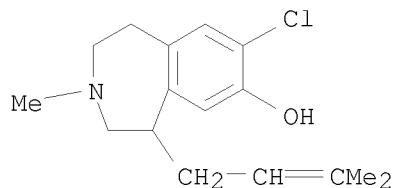
RN 118615-87-5 CAPLUS

CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(3-methyl-2-butene)-, (2Z)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 118615-86-4

CMF C16 H22 Cl N O

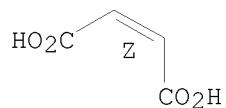


CM 2

CRN 110-16-7

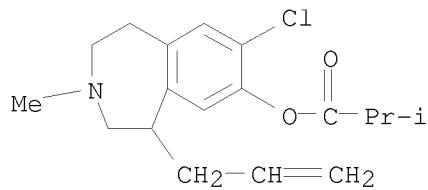
CMF C4 H4 O4

Double bond geometry as shown.



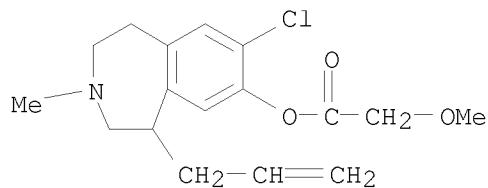
RN 118615-88-6 CAPLUS

CN Propanoic acid, 2-methyl-, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-1H-3-benzazepin-7-yl ester, hydrochloride (9CI) (CA INDEX NAME)



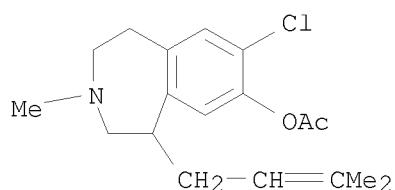
● HCl

RN 118615-89-7 CAPLUS
CN Acetic acid, methoxy-, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-1H-3-benzazepin-7-yl ester, hydrochloride (9CI) (CA INDEX NAME)



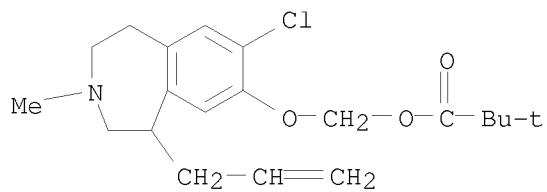
● HCl

RN 118615-90-0 CAPLUS
CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(3-methyl-2-but enyl)-, acetate (ester), hydrochloride (9CI) (CA INDEX NAME)



● HCl

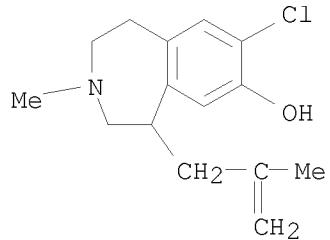
RN 118615-91-1 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, [(8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-1H-3-benzazepin-7-yl)oxy]methyl ester, hydrochloride (9CI) (CA INDEX NAME)



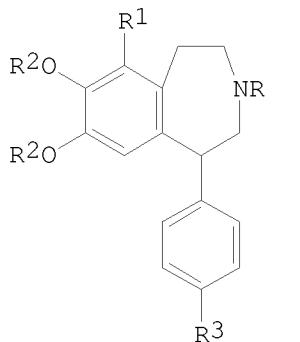
● HCl

RN 118652-79-2 CAPLUS

CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



L19 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1987:84373 CAPLUS
 DOCUMENT NUMBER: 106:84373
 ORIGINAL REFERENCE NO.: 106:13845a,13848a
 TITLE: Strategic considerations in the radiosynthesis of substituted 1-phenyl-2,3,4,5-tetrahydro-1H-3-benzazepine-7,8-diols
 AUTHOR(S): Blackburn, Dale; Villani, Anthony; Senderoff, Steve;
 Landvatter, Scott; Garnes, Keith
 CORPORATE SOURCE: Smith Kline and French Lab., Philadelphia, PA, 19101,
 USA
 SOURCE: Synth. Appl. Isot. Labeled Compd. Proc. Int. Symp.,
 2nd (1986), Meeting Date 1985, 309-10. Editor(s):
 Muccino, Richard Robert. Elsevier: Amsterdam, Neth.
 CODEN: 55BUAT
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 GI



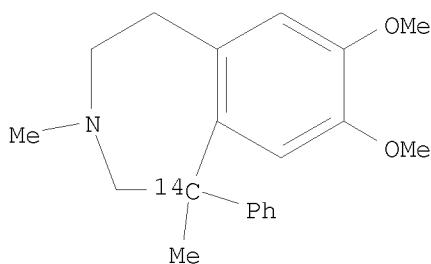
AB Benzazepines I (R-R3 = H; R = R2 = H, R1 = Cl, R3 = OH; R = R2 = Me, R1 = R3 = H; R = allyl, R1 = Cl, R2 = H, R3 = OH) labeled with 14C and 3H were prepared

IT 106621-73-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and resolution of)

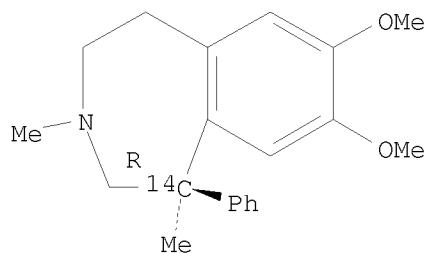
RN 106621-73-2 CAPLUS

CN 1H-3-Benzazepine-1-14C, 2,3,4,5-tetrahydro-7,8-dimethoxy-1,3-dimethyl-1-phenyl- (9CI) (CA INDEX NAME)

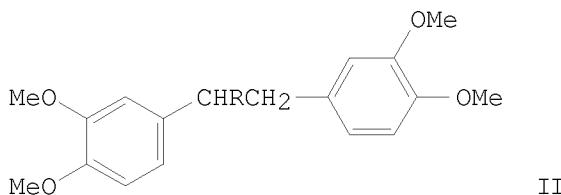
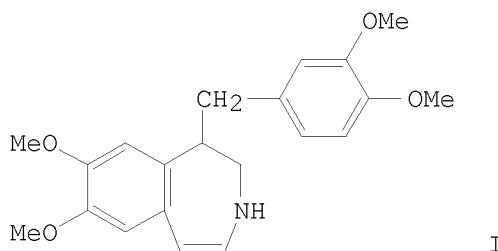


IT 106526-99-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 106526-99-2 CAPLUS
CN 1H-3-Benzazepine-1-14C, 2,3,4,5-tetrahydro-7,8-dimethoxy-1,3-dimethyl-1-phenyl-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L19 ANSWER 30 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1983:34483 CAPLUS
 DOCUMENT NUMBER: 98:34483
 ORIGINAL REFERENCE NO.: 98:5393a,5396a
 TITLE: The synthesis of 7,8-dimethoxy-1-(3,4-dimethoxybenzyl)-
 2,3-dihydro-1H-3-benzazepine and related compounds
 AUTHOR(S): Newton, Roger F.; Sainsbury, Malcolm; Stanley, Paul L.
 R.
 CORPORATE SOURCE: Glaxo Group Res. Ltd., Ware/Herts., SG12 0DJ, UK
 SOURCE: Heterocycles (1982), 19(11), 2037-40
 CODEN: HTCYAM; ISSN: 0385-5414
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 98:34483
 GI

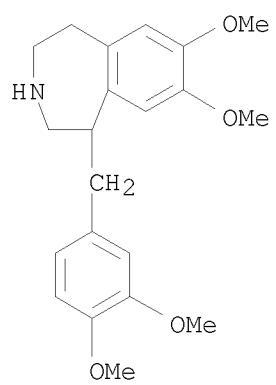


AB The title compound (I) was prepared from phenylacetonitrile derivative II ($R =$ cyano) (III) in a series of reactions. III was reduced, the II ($R =$ CH_2NH_2) product reacted with $BrCH_2CH(OEt)_2$ to yield II [$R = CH_2NHCH_2CH(OEt)_2$], and the latter was cyclized in HCl to give I.

IT 84122-17-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

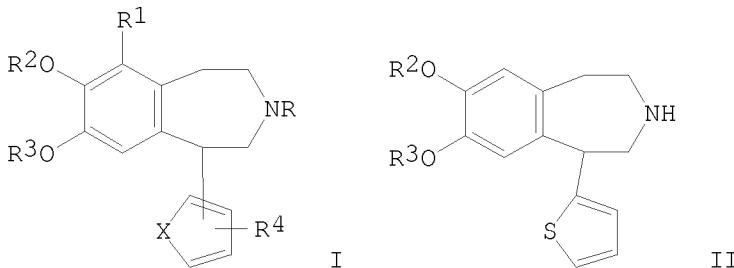
RN 84122-17-8 CAPLUS

CN 1H-3-Benzazepine, 1-[(3,4-dimethoxyphenyl)methyl]-2,3,4,5-tetrahydro-7,8-dimethoxy- (CA INDEX NAME)



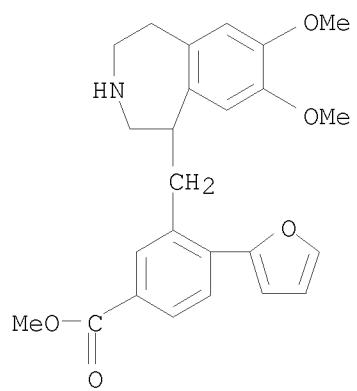
L19 ANSWER 31 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1981:156775 CAPLUS
 DOCUMENT NUMBER: 94:156775
 ORIGINAL REFERENCE NO.: 94:25629a,25632a
 TITLE: Substituted 1-thienyl and furyl-2,3,4,5-tetrahydro-1H-3-benzazepine compounds
 INVENTOR(S): Holden, Kenneth G.; Yim, Nelson C.
 PATENT ASSIGNEE(S): Smith Kline and French Canada Ltd., Can.
 SOURCE: Can., 35 pp.
 CODEN: CAXXA4
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 1090797	A1	19801202	CA 1978-305809	19780620
AU 515236	B2	19810326	AU 1978-37471	19780626
AU 7837471	A	19800103		
PRIORITY APPLN. INFO.:			CA 1978-305809	A 19780620
GI				

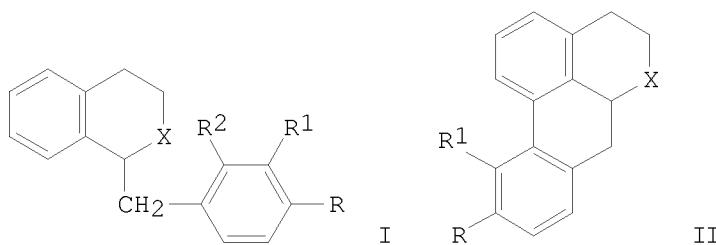


AB Benzazepines I ($R = H, CH_2Ph, CH_2CH_2Ph, \text{ alkanoyl, alkyl, } CH_2CH_2OH, \text{ alkenyl; } R_1 = H, \text{ halogen, } CF_3, SMe, SCF_3, Me, OMe; R_2, R_3 = H, \text{ alkyl, alkanoyl; } R_2R_3 = CH_2, CH_2CH_2; R_4 = H, \text{ halogen, } CH_2CN, Me, CO_2Me; X = O, S$) were prepared. Thus 2-thiophenecarboxaldehyde was treated with $Me_3S + I^-$ to give 2-epoxyethylthiophene, which was treated with $3,4-(MeO)_2C_6H_3CH_2CH_2NH_2$ and cyclized with acid to give II ($R_2 = R_3 = Me$). Demethylation of II ($R_2 = R_3 = Me$) with BBR_3 gave II.HBr ($R_2 = R_3 = H$), which caused a 30% decrease in renal vascular resistance at $30 \mu\text{g/kg i.v.}$ in dogs and was diuretic at $10 \mu\text{g/kg min i.v.}$ in dogs.

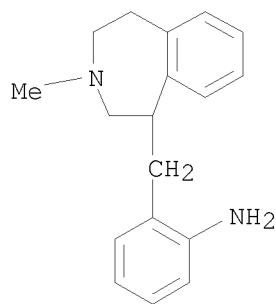
IT 77222-50-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and demethylation of)
 RN 77222-50-5 CAPLUS
 CN Benzoic acid, 4-(2-furanyl)-3-[(2,3,4,5-tetrahydro-7,8-dimethoxy-1H-3-benzazepin-1-yl)methyl]-, methyl ester (CA INDEX NAME)



L19 ANSWER 32 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1976:592530 CAPLUS
 DOCUMENT NUMBER: 85:192530
 ORIGINAL REFERENCE NO.: 85:30786h,30787a
 TITLE: Seven-membered heterocycles. 20th Communication.
 1-Aralkylated tetrahydro-2-benzazepines. Part III.
 Synthesis from β -tetralones
 AUTHOR(S): Berney, Daniel; Schuh, Karlheinz
 CORPORATE SOURCE: Sandoz Res. Unit, Wander Ltd., Bern, Switz.
 SOURCE: Helvetica Chimica Acta (1976), 59(6), 2059-67
 CODEN: HCACAV; ISSN: 0018-019X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 85:192530
 GI

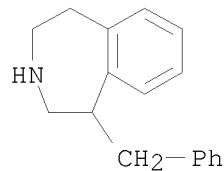


- AB Benzazepinones I ($X = \text{NHCO}$, $R1 = R2 = \text{H}$, $R2 = \text{H}$, NO_2 ; $R = \text{Cl}$, $R1 = R2 = \text{H}$) were prepared by Schmidt reaction of the tetralones I ($X = \text{CO}$). Beckmann reaction of I ($X = \text{CO}$) gave I ($X = \text{CONH}$). LiAlH₄ reduction gave I ($X = \text{NHCH}_2$, CH_2NH), which was subjected to N-methylation, reduction of the NO_2 group and Pschorr reaction of I ($X = \text{NMeCH}_2$, CH_2NMe , $R2 = \text{NH}_2$) to give the phenanthroazepines II ($X = \text{NMeCH}_2$, CH_2NMe).
- IT 61034-82-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and Pschorr reaction of)
- RN 61034-82-0 CAPLUS
- CN Benzenamine, 2-[$(2,3,4,5\text{-tetrahydro-3-methyl-1H-3-benzazepin-1-yl)methyl]$ -, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

IT 61034-74-0P 61034-76-2P 61034-77-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and methylation of)
RN 61034-74-0 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-(phenylmethyl)-, hydrochloride
(9CI) (CA INDEX NAME)



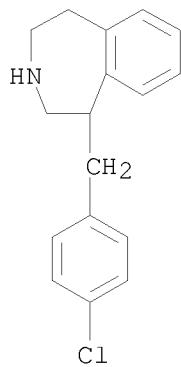
● HCl

RN 61034-76-2 CAPLUS
CN 1,5-Naphthalenedisulfonic acid, compd. with 1-[(4-chlorophenyl)methyl]-
2,3,4,5-tetrahydro-1H-3-benzazepine (1:1) (9CI) (CA INDEX NAME)

CM 1

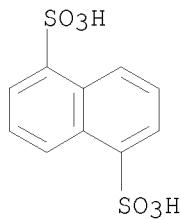
CRN 61034-75-1

CMF C17 H18 Cl N

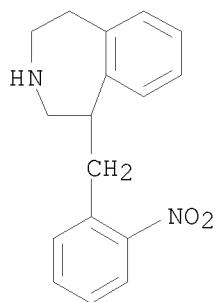


CM 2

CRN 81-04-9
CMF C10 H8 O6 S2



RN 61034-77-3 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-[(2-nitrophenyl)methyl]- (CA INDEX NAME)

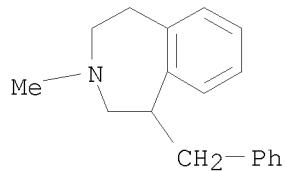


IT 61034-79-5P 61034-80-8P 61034-81-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 61034-79-5 CAPLUS
CN 1,5-Naphthalenedisulfonic acid, compd. with 2,3,4,5-tetrahydro-3-methyl-1-(phenylmethyl)-1H-3-benzazepine (1:1) (9CI) (CA INDEX NAME)

10/561,071

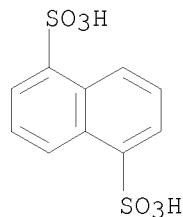
CM 1

CRN 61034-78-4
CMF C18 H21 N



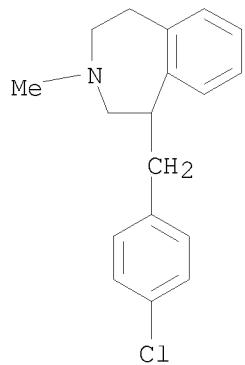
CM 2

CRN 81-04-9
CMF C10 H8 O6 S2



RN 61034-80-8 CAPLUS

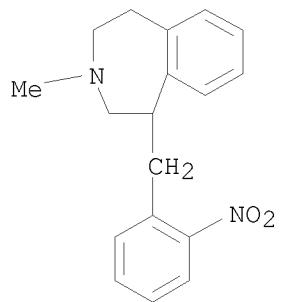
CN 1H-3-Benzazepine, 1-[(4-chlorophenyl)methyl]-2,3,4,5-tetrahydro-3-methyl-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 61034-81-9 CAPLUS

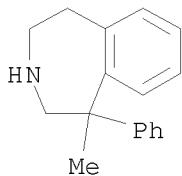
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-[(2-nitrophenyl)methyl]-,
monohydrochloride (9CI) (CA INDEX NAME)



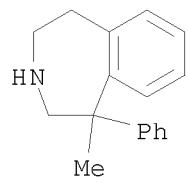
● HCl

L19 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1975:72813 CAPLUS
 DOCUMENT NUMBER: 82:72813
 ORIGINAL REFERENCE NO.: 82:11631a,11634a
 TITLE: Benzazepines
 INVENTOR(S): Walter, Lewis A.; Chang, Wei K.
 PATENT ASSIGNEE(S): Scherico Ltd.
 SOURCE: Patentschrift (Switz.), 8 pp.
 CODEN: SWXXAS
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
CH 555831	A	19741115	CH 1967-2477	19670217	
PRIORITY APPLN. INFO.:			CH 1967-2477	A 19670217	
GI For diagram(s), see printed CA Issue.					
AB Ten benzazepines I (R = H, Me; R1 = allyl, Me, CH ₂ CH ₂ OH, NR1 = N+Me ₂ I-; R ₂ = H, Me; R ₃ = HO, MeO; R ₄ = H, HO, MeO; Z = H ₂) and II (R = R ₁ = R ₂ = R ₄ = H, R ₃ = MeO, Z = O) (II), useful as antibacterials, antidepressants, analgesics, and antihypertensives (no data) were prepared by cyclization of hydroxybis(phenethyl)amines or phenethylcarboxamides. Thus, styrene oxide heated with Ph-CH ₂ CH ₂ NH ₂ 12 hr on a steam bath gave PhCH(OH)CH ₂ NHCH ₂ CH ₂ Ph which cyclized with H ₂ SO ₄ to give I (R = R ₁ = R ₂ = R ₃ = R ₄ = H, Z = H ₂). m-MeOC ₆ H ₄ CH ₂ CH ₂ NH ₂ and Et mandelate gave N-(m-methoxyphenethyl)mandelamide, cyclized with polyphosphoric acid to give II, which was reduced to the Z = H ₂ analog with LiAlH ₄ . Reactive sites of I permitted further substitution.					
IT 20012-03-7P	20012-04-8P		RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)		
RN 20012-03-7	CAPLUS				
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl-			(CA INDEX NAME)		



RN 20012-04-8 CAPLUS
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl-, hydrochloride
 (8CI, 9CI) (CA INDEX NAME)



● HCl

L19 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1973:418604 CAPLUS
 DOCUMENT NUMBER: 79:18604
 ORIGINAL REFERENCE NO.: 79:2987a,2990a
 TITLE: 1-Phenyl-2,3,4,5-tetrahydro-1H-3-benzazepines
 PATENT ASSIGNEE(S): Scherico Ltd.
 SOURCE: Fr. M., 25 pp.
 CODEN: FMXXAJ
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 8369	-----	19710222	FR 1967-96572	19670227

OTHER SOURCE(S): MARPAT 79:18604

GI For diagram(s), see printed CA Issue.

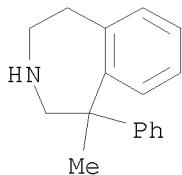
AB Benzazepines I ($R = R_1 = R_4 = H$, $R_2 = R_3 = H$, OMe; $R = allyl$, CH_2CH_2OH , $R_1-R_4 = H$; $R = Me, MeI$, H.HBr, $R_1 = R_4 = H$, $R_2 = R_3 = OMe$; $R = R_2-R_4 = H$, $R_1 = Me$; $R-R_3 = H$, $R_4 = Me$; $R-R_2 = R_4 = H$, $R_3 = OMe$) were prepared. Thus styrene oxide was treated with $PhCH_2CH_2NH_2$ to give $PhCH_2CH_2NHCH_2CH(OH)Ph$, which was cyclized to I ($R-R_4 = H$) with H_2SO_4 .

IT 20012-03-7P 20012-04-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

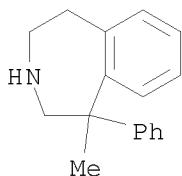
RN 20012-03-7 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl- (CA INDEX NAME)



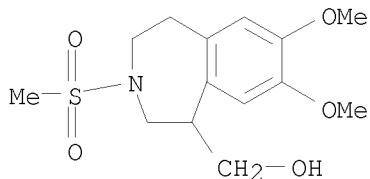
RN 20012-04-8 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl-, hydrochloride
 (8CI, 9CI) (CA INDEX NAME)



● HCl

L19 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1972:85677 CAPLUS
 DOCUMENT NUMBER: 76:85677
 ORIGINAL REFERENCE NO.: 76:13779a,13782a
 TITLE: Preparation and properties of aldehydes of 3-benzazepines
 AUTHOR(S): Ben Hassine-Coniac, Nicole; Hazerbroucq, Georges;
 Gardent, Jean
 CORPORATE SOURCE: Pharm. Cent., Hop. Paris, Paris, Fr.
 SOURCE: Bulletin de la Societe Chimique de France (1971),
 (11), 3985-92
 CODEN: BSCFAS; ISSN: 0037-8968
 DOCUMENT TYPE: Journal
 LANGUAGE: French
 GI For diagram(s), see printed CA Issue.
 AB Vilsmeier-Haack formylation of 3-substituted-4,5-dihydro-[3H]-3-benzazepines I ($R = \text{MeO}$, $R_1 = \text{MeSO}_2$) (II), I ($R = \text{MeO}$, $R_1 = \text{C}_7\text{H}_7\text{SO}_2$) (III), I ($R = \text{H}$, $R_1 = \text{MeSO}_2$) (IV) with DMF containing POCl_3 led to the 1-formyl derivs., resp. Thus, II gave an aldehyde I ($R = \text{MeO}$, $R_1 = \text{MeSO}_2$, $R_2 = \text{CHO}$) (V), which opened reversibly in alkaline solution to give substituted malonic aldehydes (Va); methylation of Va with Me_2SO_4 gave VI. Treatment of 3-substituted 2,3,4,5-tetrahydro-[1H]-3-benzazepin-1-ones (VII) with DMF containing POCl_3 gave unsatd. chloro aldehydes. Thus, VII ($R = \text{MeO}$, $R_1 = \text{MeSO}_2$) yielded 1-chloro-2-formyl-3-methylsulfonyl-7,8-dimethoxy-4,5-dihydro-[3H]-3-benzazepine (VIII). Catalytic reduction of VIII in $\text{MeOH}-\text{MeONa}$ over Pd/C gave 2-formyl-3-methylsulfonyl-7,8-dimethoxy-2,3,4,5-tetrahydro-[1H]-3-benzazepine.
 IT 35612-92-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 35612-92-1 CAPLUS
 CN 1H-3-Benzazepine-1-methanol, 2,3,4,5-tetrahydro-7,8-dimethoxy-3-(methylsulfonyl)- (CA INDEX NAME)



L19 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1971:141586 CAPLUS
 DOCUMENT NUMBER: 74:141586
 ORIGINAL REFERENCE NO.: 74:22875a,22878a
 TITLE: 2,3,4,5-Tetrahydro-1H-3-benzazepines as pharmaceutical intermediates
 INVENTOR(S): Hoegerle, Karl; Habicht, Ernst
 PATENT ASSIGNEE(S): CIBA-Geigy A.-G.
 SOURCE: Patentschrift (Switz.), 5 pp.
 CODEN: SWXXAS
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 500194	A	19701215	CH 1968-500194	19680215
PRIORITY APPLN. INFO.:			CH 1968-2261	A 19680215

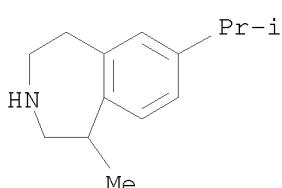
GI For diagram(s), see printed CA Issue.

AB The title products (I), which are suitable as pharmaceutical intermediates, are prepared. Thus, styrene or a derivative is treated with ethylenimine and Na to obtain a 1-phenyl-2-aziridinoethane (II) which HCl in MeOH yields a N-(2-chloroethyl)phenethylamine hydrochloride. This is heated with AlCl₃ or another Lewis acid to obtain I.

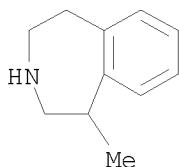
IT 23166-93-0P 23266-24-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 23166-93-0 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-isopropyl-1-methyl- (8CI) (CA INDEX NAME)

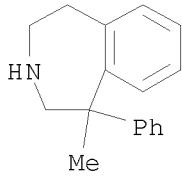


RN 23266-24-2 CAPLUS
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

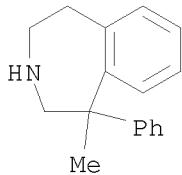


L19 ANSWER 37 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1970:425331 CAPLUS
 DOCUMENT NUMBER: 73:25331
 ORIGINAL REFERENCE NO.: 73:4210h, 4211a
 TITLE: 1-Phenyl-2,3,4,5-tetrahydro-1H-3-benzazepines
 INVENTOR(S): Walter, Lewis A.; Chang, Wei K.
 PATENT ASSIGNEE(S): Scherico Ltd.
 SOURCE: Brit. Amended, 13 pp.
 CODEN: BSXXAH
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1118688		19690415	GB 1967-7632	19670217
AB	Same disclosure. This amendment excludes 1-phenyl-2,3,4,5-tetrahydro-1H-3-benzazepine and 1-phenyl-7,8-diethoxy-2,3,4,5-tetrahydro-1H-3-benzazepine from the preps. and claims.			
IT	20012-03-7P 20012-04-8P RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)			
RN	20012-03-7 CAPLUS			
CN	1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl- (CA INDEX NAME)			



RN 20012-04-8 CAPLUS
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl-, hydrochloride
 (8CI, 9CI) (CA INDEX NAME)



● HCl

L19 ANSWER 38 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1969:461251 CAPLUS
 DOCUMENT NUMBER: 71:61251
 ORIGINAL REFERENCE NO.: 71:11275a,11278a
 TITLE: Tetrahydrobenzazepines
 INVENTOR(S): Hoegerle, Karl; Habicht, Ernst
 PATENT ASSIGNEE(S): Geigy, J. R., A.-G.
 SOURCE: S. African, 18 pp.
 CODEN: SFXXAB
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 6801019		19681031		
CH 481110			CH	
CH 488705			CH	
DE 1668915			DE	
DE 1695124			DE	
FR 1561479			FR	
FR 7915			FR	
GB 1221324			GB	
GB 1222397			GB	
US 3652543		19720328	US	19680215
PRIORITY APPLN. INFO.:			CH	19670217
			CH	19670818

OTHER SOURCE(S): MARPAT 71:61251

GI For diagram(s), see printed CA Issue.

AB Title compds. and their addition salts were prepared for use as intermediates in the preparation of pharmaceuticals. The 7-chloro compds. exhibit anorexic action. Pharmaceutical formulations were described. Thus, 389 g. finely powdered N-[(2-chloroethyl)phenylethylamine]-HCl (I) was heated in an oil bath with 470 g. AlCl₃, 12 hrs. at 180°, cooled to 100°, poured onto ice, and worked up to give 2,3,4,5-tetrahydro-1H-3-benzazepine (II), b_{0.1} 65°, n_{20D} 1.565; HCl salt m. 248-50°. Styrene (900 ml.) was added dropwise to 745 ml. ethylenimine and 9 g. Na (the 1st 100 ml. styrene was added quickly, and the rest added at such a rate as to keep the temperature at 40-50°), and the mixture stirred overnight at room temperature and worked up to give 1-phenyl-2-aziridinoethane (III), b_{0.1} 48°, n_{20D} 1.5205. III (100 g.) in 100 ml. MeOH was added dropwise at 10-15° to 500 ml. MeOH saturated in an ice bath with HCl, and the mixture worked up to give I, m. 188-90° (EtOH-HOAc). N-(2-Chloroethyl)-2-methyl-2-phenylethylamine-HCl treated with AlCl₃ as in the preparation of II gave 5-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine (IIIa), b_{0.6} 72°, n_{20D} 1.5580. 1-Phenyl-1-methyl-2-aziridinoethane (281 g.) was added to 800 ml. EtOH saturated with HCl, and the mixture worked up to give N-(2-chloroethyl)-2-methyl-2-phenylethylamine-HCl, m. 178-80°. N-(2-chloroethyl)-2-(p-chlorophenyl)ethylamine-HCl (IV) (120 g.) treated with AlCl₃ as in the preparation of II gave 7-chloro-2,3,4,5-tetrahydro-1H-3-benzazepine, b_{0.1} 110-15°, n_{20D} 1.5765; HCl salt m. 171-3° (MeCN). IV was prepared as in the preparation of II by treatment of 4-chlorostyrene with Na and ethylenimine, and treatment of the N-[2-(p-

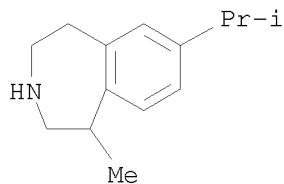
chlorophenyl)ethyl]aziridine formed, b₀.7 93°, n_{20D} 1.5357, with HCl in MeOH to give IV, m. 189-91° (MeCN). N-(β-Chloro-β-phenylethyl)phenylethylamine-HCl (1 g.) added portionwise at 150° to 14 g. polyphosphoric acid, and the mixture kept 0.5 hr. at 150° and worked up gave 1-phenyl-2,3,-4,5-tetrahydro-1H-3-benzazepine, b. 140-50° (high vacuum). Similarly were prepared the following (m.p. HCl salt given): N-(1-methyl-2-chloroethyl)phenylethylamine, 160-5°; N-(β-chloro-β-phenylethyl)phenylethylamine, 168-70°; N-(2-chlorocyclohexyl)phenylethylamine, 165-7°; N-(2-chloroethyl)-α-methylphenylethylamine, 149-51°; and N-(2-chloroethyl)-β-methyl-4-isopropylphenylethylamine, 184-6°. Also prepared were the following 2,3,4,5-tetrahydro-1H-3-benzazepines: 2-methyl-, b₀.2 60°; 1-phenyl-, b₀.01 140-50°; 4-methyl-, b₀.2 64°, n_{20D} 1.5507; 5-methyl-8-isopropyl-, b₀.2 71-2°, n_{20D} 1.5554; and 2,3,4,4a,5,6,-7,11b-octahydro-1H-dibenz[b,d]azepine, b₀.01 150-5°.

IT 23166-93-0P 23266-24-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

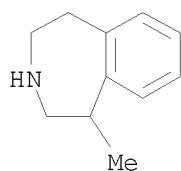
RN 23166-93-0 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-isopropyl-1-methyl- (8CI) (CA INDEX NAME)



RN 23266-24-2 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



L19 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1968:506576 CAPLUS
 DOCUMENT NUMBER: 69:106576
 ORIGINAL REFERENCE NO.: 69:19967a, 19970a
 TITLE: 1-Phenyl-2,3,4,5-tetrahydro-1H,3-benzazepines
 INVENTOR(S): Walter, Lewis A.; Chang, Wei K.
 PATENT ASSIGNEE(S): Scherico Ltd.
 SOURCE: Brit., 15 pp.
 CODEN: BRXXAA
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1118688		19680703	GB 1967-7632	19670217
DE 1795540			DE	

GI For diagram(s), see printed CA Issue.
 AB The preparation of the title compds. (I) is described. Thus, a mixture of 82 g.
 styrene oxide and 100 g. d-amphetamine was stirred 12 hrs. on a steam bath, then distilled in vacuo to give PhCH₂CHMeNHCH₂CH(OH)Ph (II), b1 160-80°, m. 53-5° (petroleum ether), [α]25D + 14.6° (c 1, EtOH). II (15 g.) was slowly added to 100 ml. concentrated H₂SO₄ at 0°, stirred 1 hr., then poured onto ice-H₂O, and worked up to give I (R₁ = R₂ = R₄ = R₅ = H, R₃ = Me) b1 149-51°, HCl salt, m. 206-7° (iso-ProOH), [α]25D -42.0° (c 1, HCONMe₂). Similarly were prepared: PhCH₂CH₂NHCH₂CH(OH)Ph; I (R₁-R₅ = H) (III), m. 78-80° (hexane), [α]25D -29.9° (c 1, HCONMe₂), phenylsuccinate, m. 180-2° (90% EtOH), [α]25D + 55.2° (c 1, HCONMe₂); 3,4-(MeO)C₆H₃CH₂CH₂NHCH₂CH(OH)Ph, m. 95-8°; I (R₁ = R₂ = MeO, R₃ = R₄ = R₅ = H) (IV), b2 198-200°, HBr salt, m. 283-5°, acid maleate salt, m. 198-200°; PhCH₂CH₂NHCH₂CMe(OH)Ph, b1 160-8°, HCl salt, m. 142-5° (MeCN); and I (R₁ = R₂ = R₃ = R₄ = H, R₅ = Me), m. 76-9° (hexane), HCl salt, m. 228-9°. Et mandelate (30 g.) and 25 g. 4-MeOC₆H₄CH₂CH₂NH₂ were stirred 3 hrs. at 180-90°, and the mixture was cooled to give a precipitate of 4-MeOC₆H₄CH₂CH₂NHCOCH(OH)Ph (V), m. 75-6° (Et₂O). Powdered V (20 g.) was added slowly to 700 g. polyphosphoric acid, the mixture warmed slowly to 100°, the temperature maintained 1 hr., then cooled, poured onto ice-H₂O, and worked up to give 1-phenyl-2-oxo-methoxy-2,3,4,5-tetrahydro-1H-3-benzazepine (VI), m. 169-71° (EtOAc). To 5 g. LiAlH₄ stirred in 200 ml. refluxing dioxane was added dropwise a solution of 10 g. VI in 250 ml. dioxane, refluxing continued 3 hrs., the mixture cooled to 20°, treated dropwise 4 times with 0.5 ml. H₂O, 4 times with 0.5 ml. 15% aqueous NaOH, and 13.5 ml. H₂O, then stirred 1 hr., the precipitate removed, the filtrate evaporated, the residue stirred with 100 ml. 5% HCl and 200 ml. Et₂O, and the resulting solution worked up to give I (R₁ = R₃ = R₄ = R₅ = H, R₂ = MeO). maleate salt, m. 196-7°. To 750 g. polyphosphoric acid stirred at 60-70° was added 18.1 g. 3,4-(MeO)C₆H₃CH₂CH₂NHAc, and, after 10-15 min., 18 g. Et mandelate dropwise in 5-10 min., the mixture heated 1 hr. at 90-5°, then poured into 2.5 kg. ice-H₂O, the crude 2,4,5-AcNHCH₂CH₂(MeO)C₆H₂C(OH)(CO₂Et)Ph extracted with CHCl₃, the exts. washed with H₂O and dilute aqueous NaHCO₃, then heated in vacuo on a steam bath

to constant weight to give, on crystallization from EtOH,
1-phenyl-7,8-dimethoxy-2-oxo-

2,3,4,5-tetrahydro-1H-3-benzazepine (VII), which was reduced with LiAlH₄ to give IV. III (6 g.), 2.4 g. CH₂:CHCH₂Br, 25 g. anhydrous K₂CO₃, and 250 ml. anhydrous Me₂CO were refluxed 14 hrs. with stirring, cooled, the Me₂CO distilled off, the residue dissolved in Et₂O-H₂O, and the organic layer worked up to give the 3-allyl derivative of III, m. 65-8° (hexane), HCl salt, m. 203-5°. A mixture of 6 g. III, 50 ml. EtOH, and 1 g. ethylene oxide was kept several days at room temperature in a stoppered flask, then distilled to give the 3-(β-hydroxyethyl) derivative of III, m. 95-7° (iso-Pr₂O). A mixture of 9 g. IV, 15 ml. 37% HCHO, and 23 ml. 90% HCO₂H was refluxed 18 hrs., then 5 ml. concentrated HCl in 10 ml. H₂O added, the solution evaporated in vacuo on a steam bath, the residue treated with 25 ml. H₂O, evaporated, then Et₂O and excess aqueous NaOH added, and the organic layer worked up

to give I (R₁ = R₂ = MeO, R₃ = R₅ = H, R₄ = Me) (VIII), m. 82-4° (hexane). VIII (5 g.) in 5 ml. EtOH was treated with 5 ml. MeI and kept 15 hrs. at room temperature, precipitating

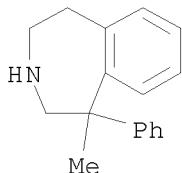
1-phenyl-3,3-dimethyl-7,8-dimethoxy-2,3,4,5-tetrahydro-1H-3-benzazepinium iodide, m. 246-9°. Refluxing IV with 48% aqueous HBr for 2.5 hrs. under N gave I (R₁ = R₂ = OH, R₃ = R₄ = R₅ = H) hydrobromide, m. 283-5°. The title compds. have antibacterial, antidepressant, analgesic, and hypotensive activity.

IT 20012-03-7P 20012-04-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

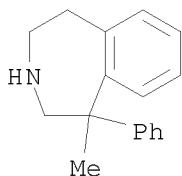
RN 20012-03-7 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl- (CA INDEX NAME)



RN 20012-04-8 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl-, hydrochloride
(8CI, 9CI) (CA INDEX NAME)



● HCl

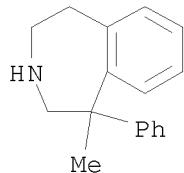
L19 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1968:496507 CAPLUS
 DOCUMENT NUMBER: 69:96507
 ORIGINAL REFERENCE NO.: 69:18058h,18059a
 TITLE: Benzazepines
 INVENTOR(S): Walter, Lewis A.; Chang, Wei K.
 PATENT ASSIGNEE(S): Schering Corp.
 SOURCE: U.S., 5 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3393192	A	19680716	US 1965-451063	19650426
PRIORITY APPLN. INFO.:			US 1965-451063	19650426

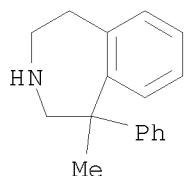
GI For diagram(s), see printed CA Issue.
 AB Dehydration of (β -hydroxyethyl) (β -phenylalkyl) amines (I) yields the title compds. (II). A mixture of 100 g. PhCH₂CH₂NH₂ and 82 g. styrene oxide (III) kept on a steam bath for 12 hrs., gave PhCH₂CH₂NHCH₂CHPhOH (IIIa). To 100 ml. concentrated H₂SO₄ at 0-5° was added 15 g. IIIa, and the mixture stirred 1 hr. to give II (A = Ph, R = R₁ = R₂ = X = Y = H) (IIa). From homoveratrylamine and III was prepared 3,4-(MeO)₂C₆H₃CH₂CH₂NHCH₂CHPhOH, m. 95-8°, which was similarly converted to II (A = Ph, R = R₁ = R₂ = H, X = Y = MeO) (IIb), b₂ 198-200°; acid maleate m. 198-200°. From 100 g. d-amphetamine and 82 g. III, heated 12 hrs. on a steam bath, was obtained PhCH₂CHMeNHCH₂CHPhOH (IIIb), b₁ 160-80°, m. 53-5° (petroleum ether), [α]D₅ 14.6° (1%, EtOH). From 15 g. IIIb and 100 ml. concentrated H₂SO₄ was prepared 4-methyl-1-phenyl-2,3,4,5-tetrahydro-3,1-benzazepine, b₁ 149-51°; hydrochloride, m. 206-7° (iso-ProOH), [α]D₅ 42.0° (1%, Me₂NCHO). From 60 g. α -methylstyrene oxide and 66 g. PhCH₂CH₂NH₂ on a steam bath 6 hrs. was prepared PhCH₂CH₂NHCH₂CM₂PhOH, b₁ 160-8°; hydrochloride m. 143-5° (MeCN), which was converted to 1-methyl-1-phenyl-2,3,4,5-tetrahydro-3,1-benzazepine, b₁ 160-60°, m. 76-9° (C₆H₁₄); hydrochloride m. 228-9°. Heating 25 g. p-MeOC₆H₄CH₂CH₂NH₂ and 30 g. PhCH(OH)CO₂Et at 180-90° in 3 hrs. gave PhCH(OH)CONHCH₂CH₂C₆H₄OMe-p (IV), m. 75-6°. Dehydration of 20 g. IV by heating with 700 g. polyphosphoric acid at 100° for 1 hr. gave 1-phenyl-2-oxo-7-methoxy-2,3,4,5-tetrahydro-3,1-benzazepine (V) m. 169-71° (EtOAc). Addition of 10 g. V in 250 ml. dioxane to a refluxing suspension of 5 g. LiAlH₄ in 200 ml. dioxane and refluxing 3 hrs. gave 1-phenyl-7-methoxy-2,3,4,5-tetrahydro-3,1-benzazepine as maleate, m. 196-7°. Refluxing 6 g. IIa, 2.4 g. CH₂:CHCH₂Br, and 25 g. anhydrous K₂CO₃ in 250 ml. anhydrous Me₂CO 14 hrs. gave 1-phenyl-3-allyl-2,3,4,5-tetrahydro-3,1-benzazepine, m. 65-8° (C₆H₁₄); hydrochloride m. 203-5°. IIa (6 g.), 1 g. ethylene oxide, and 50 ml. EtOH at room temperature several days gave 1-phenyl-3-(β -hydroxyethyl)-2,3,4,5-tetrahydro-3,1-benzazepine, m. 95-7° (isopropyl ether). Refluxing 9 g. IIb, 15 ml. 37% CH₂O, and 23 ml. 90% HCO₂H for 18 hrs. gave 7,8-dimethoxy-3-methyl-1-phenyl-2,3,4,5-tetrahydro-3,1-benzazepine (VI), m. 82-4° (C₆H₁₄). Action of 5 ml. MeI on 5 g. VI in 5 ml. EtOH at room temperature 15 hrs. gave 7,8-dimethoxy-3,3-dimethyl-1-phenyl-2,3,4,5-tetrahydro-3,1-benzazepinium iodide, m. 246-9°. Refluxing 15 g.

IIb and 110 ml. 48% HBr 2.5 hrs. gave 1-phenyl-7,8-dihydroxy-2,3,4,5-tetrahydro-3,1-benzazepine hydrochloride, m. 283-5°. II and their salts have antibacterial, antidepressant, analgesic, and hypotensive effects.

IT 20012-03-7P 20012-04-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 20012-03-7 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl- (CA INDEX NAME)



RN 20012-04-8 CAPLUS
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-1-phenyl-, hydrochloride
(8CI, 9CI) (CA INDEX NAME)



● HCl

10/561,071

=> => d his

(FILE 'HOME' ENTERED AT 12:30:08 ON 26 AUG 2008)

FILE 'REGISTRY' ENTERED AT 12:30:16 ON 26 AUG 2008

L1 STRUCTURE uploaded
L2 43429 S C6-C6N/EA
L3 41 S C3-C6-C6N/EA
L4 81 S C4-C6-C6N/EA
L5 713 S C5-C6-C6N/EA
L6 16282 S C6-C6-C6N/EA
L7 82 S C6-C6N-C7/EA
L8 17199 S L3 OR L4 OR L5 OR L6 OR L7
L9 909 S L8 AND SPIRO
L10 44338 S L9 OR L2
L11 50 S L1 SUB=L10 SAM
L12 13163 S L1 SUB=L10 FUL

FILE 'CAPLUS' ENTERED AT 12:41:55 ON 26 AUG 2008

FILE 'REGISTRY' ENTERED AT 12:43:25 ON 26 AUG 2008

FILE 'CAPLUS' ENTERED AT 12:45:01 ON 26 AUG 2008

FILE 'REGISTRY' ENTERED AT 12:53:09 ON 26 AUG 2008

FILE 'CAPLUS' ENTERED AT 12:57:40 ON 26 AUG 2008

FILE 'REGISTRY' ENTERED AT 12:58:59 ON 26 AUG 2008

L13 8 S L12 AND L9
L14 STRUCTURE uploaded
L15 514 S L14 SUB=L12 FUL

FILE 'CAPLUS' ENTERED AT 13:02:26 ON 26 AUG 2008

L16 50 S L15
L17 37 S L16 NOT (2008/SO OR 2007/SO OR 2006/SO OR 2005/SO OR 2004/SO)
L18 6 S L13
L19 40 S L17 OR L18

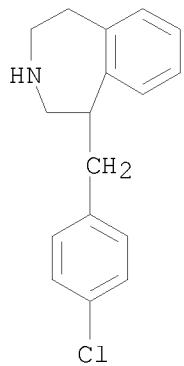
FILE 'REGISTRY' ENTERED AT 13:05:19 ON 26 AUG 2008

L20 450 S L15 AND CAPLUS/LC
L21 64 S L15 NOT L20

=> d 64

10/561,071

L21 ANSWER 64 OF 64 REGISTRY COPYRIGHT 2008 ACS on STN
RN 61034-75-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1H-3-Benzazepine, 1-[(4-chlorophenyl)methyl]-2,3,4,5-tetrahydro- (CA
INDEX NAME)
MF C17 H18 Cl N
CI COM

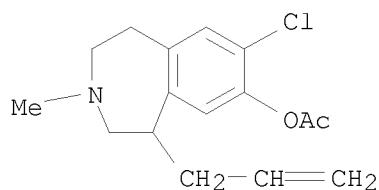


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/561,071

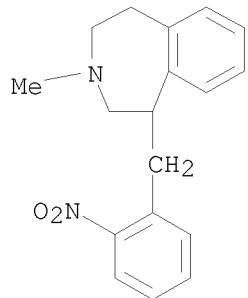
=> d 60-63

L21 ANSWER 60 OF 64 REGISTRY COPYRIGHT 2008 ACS on STN
RN 763046-70-4 REGISTRY
ED Entered STN: 15 Oct 2004
CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propen-1-yl)-, 7-acetate (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-3-Benzazepin-7-ol, 8-chloro-2,3,4,5-tetrahydro-3-methyl-5-(2-propenyl)-, acetate (ester) (9CI)
MF C16 H20 Cl N O2
CI COM
SR CA



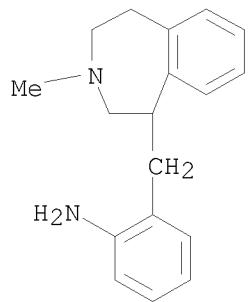
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 ANSWER 61 OF 64 REGISTRY COPYRIGHT 2008 ACS on STN
RN 754922-46-8 REGISTRY
ED Entered STN: 01 Oct 2004
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-3-methyl-1-[(2-nitrophenyl)methyl]-
(CA INDEX NAME)
MF C18 H20 N2 O2
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

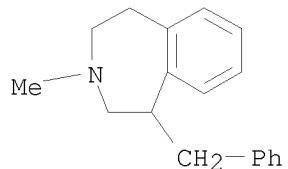
L21 ANSWER 62 OF 64 REGISTRY COPYRIGHT 2008 ACS on STN
RN 752147-17-4 REGISTRY
ED Entered STN: 26 Sep 2004
CN Benzenamine, 2-[(2,3,4,5-tetrahydro-3-methyl-1H-3-benzazepin-1-yl)methyl]-
(CA INDEX NAME)
MF C18 H22 N2
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/561,071

L21 ANSWER 63 OF 64 REGISTRY COPYRIGHT 2008 ACS on STN
RN 61034-78-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-3-methyl-1-(phenylmethyl)- (CA INDEX
NAME)
MF C18 H21 N
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/561,071

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